



GFO® Packing

Proven trouble-free performance for 30+ years

Learn from over 300 Case Histories!



GORE® GFO® Packing

Packings containing 100 % GORE® GFO® fiber give maintenance engineers consistently high-performing general service packing for wide application and use. Unlike other PTFE/graphite packings, only those made with GFO® fiber deliver an unmatched level of assurance and confidence.

Key Features

- 30+ years of proven performance
- Non-asbestos
- Temperature and chemically resistant
- Wide operating window
- Excellent lubricity and high thermal conductivity
- Does not harden
- Minimum shaft damage
- 100% GFO® printed on the packing



Key Benefits

- Long lasting – confidence that the product will work every time
- Easy to install & to remove
- Reduces inventory levels by consolidating packing needs
- Minimum downtime from repacking pumps or resurfacing shafts
- Saves money & labor

Applications

- Shafts on high-speed pumps
- Mixers
- Agitators
- Any other equipment with rotating or reciprocating shafts

The Only Seal of Assurance Program for Packing Fibers

Many PTFE/Graphite packings are available in the market. They all look the same but often have inconsistent and/or inferior product quality. The installation of these products can lead to premature packing failure and unscheduled shut-downs. Such problems can cost a lot of time and money.

To overcome these challenges, Gore's Seal of Assurance Program ensures that every fiber used to braid the packing is a GORE® GFO® Fiber.

We even perform an after-market audit to confirm it. Look for 100% GFO® printed right on the packing – it's the only packing that is identified this way! That is your genuine reassurance that your packing works and performs ... and will keep working and performing.



GORE® GFO Fiber Case Histories

To demonstrate how well GORE® GFO® Fiber Packing performs in service, W. L. Gore & Associates has conducted many field trials in a wide range of applications and industries.

The results of these tests have been compiled and are presented in this booklet to help the user weigh the relative value of GORE® GFO® Fiber Packing as compared with that of alternative materials.

All relevant test data has been carefully cross-indexed to enable the reader to quickly check case histories that may be of specific interest.

NOTE:

The case histories featured in this book in no way constitute a guarantee of packing made with GORE® GFO® Fiber. All information has been obtained directly from Plant Maintenance Supervisors responsible for the packing of pumps. Although we have confidence in the accuracy of this information, it is not generated or controlled by W. L. Gore & Associates and therefore, Gore cannot be held responsible for its application. Furthermore, any prospective user of this product should verify the information to his satisfaction by his own investigation.

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CASE HISTORY # 1

CONDITIONS

Industry Type	PAPER
Equipment	PUMP
Packing	10 mm (3/8")
Shaft Size	44.9 mm (1-3/4")
Shaft Speed	4.1 m/s (1750 RPM – 801 fmp)
Medium	WOOD PULP
Discharge Pressure	0.7 bar (10 psi)
Temperature	27 °C (80 °F)

PREVIOUS PACKING

Type	ASBESTOS/PTFE
Life	9 weeks

GFO® FIBER PACKING

Life	66+ weeks
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CASE HISTORY # 2

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP
Packing	N/A
Shaft Size	32.1 mm (1-1/4")
Shaft Speed	N/A
Medium	WATER
Discharge Pressure	N/A
Temperature	82 °C (180 °F)

PREVIOUS PACKING

Type	ASBESTOS/PTFE
Life	9 weeks

GFO® FIBER PACKING

Life	19 weeks
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CASE HISTORY # 3

CONDITIONS

Industry Type	PAPER
Equipment	PUMP INGERSOLL RAND
Packing	10 mm (3/8")
Shaft Size	44.9 mm (1-3/4")
Shaft Speed	2.8 m/s (1200 RPM – 550 fmp)
Medium	WHITE LIQUOR
Discharge Pressure	1.4 bar (20 psi)
Temperature	16 °C (60 °F)

PREVIOUS PACKING

Type	ARAMID
Life	9 weeks

GFO® FIBER PACKING

Life	43 weeks
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CASE HISTORY # 4

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP VIKING
Packing	6 Rings 13 mm (1/2")
Shaft Size	60.9 mm (2-3/8")
Shaft Speed	0.9 m/s (300 RPM – 186 fmp)
Medium	SULFURIC ACID (30%)
Discharge Pressure	3.2 bar (47 psi)
Temperature	49 °C (120 °F)

PREVIOUS PACKING

Type	CARBON
Life	7 weeks

GFO® FIBER PACKING

Life	54+ weeks
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CASE HISTORY # 5

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP VIKING
Packing	5 Rings 13 mm (1/2")
Shaft Size	64.1 mm (2-1/2")
Shaft Speed	1.5 m/s (450 RPM – 294 fmp)
Medium	OIL BASE / LIME
Discharge Pressure	3.5 bar (50 psi)
Temperature	49 °C (120 °F)

PREVIOUS PACKING

Type	GRAPHITE
Life	7 weeks

GFO® FIBER PACKING

Life	15 weeks
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CASE HISTORY # 6

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP DURCO
Packing	6 Rings 10 mm (3/8")
Shaft Size	51.3 mm (2")
Shaft Speed	4.8 m/s (1800 RPM – 942 fmp)
Medium	SULFURIC ACID
Discharge Pressure	1.2 bar (17 psi)
Temperature	N/A

PREVIOUS PACKING

Type	ASBESTOS/PTFE
Life	9 weeks

GFO® FIBER PACKING

Life	40 weeks
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CASE HISTORY # 7

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP LA BOUR
Packing	3 Rings 13 mm (1/2")
Shaft Size	48.1 mm (1-7/8")
Shaft Speed	9.0 m/s (3600 RPM – 1766 fmp)
Medium	ACID
Discharge Pressure	N/A
Temperature	N/A

PREVIOUS PACKING

Type	ASBESTOS/PTFE
Life	9 weeks

GFO® FIBER PACKING

Life	30 weeks
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CASE HISTORY # 8

CONDITIONS

Industry Type	MANUFACTURER
Equipment	MIXER DAY
Packing	8 Rings 10 mm (3/8")
Shaft Size	89.7 mm (3-1/2")
Shaft Speed	0.7 m/s (150 RPM – 137 fmp)
Medium	VINYL RESIN / OIL
Discharge Pressure	N/A
Temperature	149°C (300°F)

PREVIOUS PACKING

Type	ASBESTOS/PTFE
Life	4 weeks

GFO® FIBER PACKING

Life	10 weeks
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CASE HISTORY # 9

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP VIKING
Packing	6 Rings 10 mm (3/8")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	0.4 m/s (200 RPM – 78 fmp)
Medium	ACID
Discharge Pressure	2.0 bar (29 psi)
Temperature	52°C (125°F)

PREVIOUS PACKING

Type	CARBON
Life	9 weeks

GFO® FIBER PACKING

Life	37 weeks
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CASE HISTORY # 10

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP VIKING
Packing	13 mm (1/2")
Shaft Size	64.1 mm (2-1/2")
Shaft Speed	1.5 m/s (440 RPM – 288 fmp)
Medium	OIL
Discharge Pressure	5.5 bar (80 psi)
Temperature	149°C (300°F)

PREVIOUS PACKING

Type	CARBON / GRAPHITE
Life	8 weeks

GFO® FIBER PACKING

Life	25 weeks
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CASE HISTORY # 11

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP GALIGHIER
Packing	4 Rings 10 mm (3/8")
Shaft Size	60.9 mm (2-3/8")
Shaft Speed	4.9 m/s (1550 RPM – 963 fmp)
Medium	SULFURIC ACID
Discharge Pressure	3.2 bar (47 psi)
Temperature	60°C (140°F)

PREVIOUS PACKING

Type	ASBESTOS/PTFE
Life	8 weeks

GFO® FIBER PACKING

Life	34 weeks
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CASE HISTORY # 12

CONDITIONS

Industry Type	DETERGENT
Equipment	PUMP UNION TRIPLEX
Packing	6 Rings 13 mm (1/2")
Shaft Size	44.9 mm (1-3/4")
Shaft Speed	5.4 m/s (400 RPM – 1067 fmp)
Medium	DETERGENT SLURRY
Discharge Pressure	41.4 bar (600 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	POLYESTER NEOPRENE
Life	1 weeks

GFO® FIBER PACKING

Life	5 weeks
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CASE HISTORY # 13

CONDITIONS

Industry Type	DETERGENT
Equipment	PUMP SIER-BATH
Packing	6 Rings 6 mm (1/4")
Shaft Size	28.8 mm (1-1/8")
Shaft Speed	0.9 m/s (600 RPM – 177 fmp)
Medium	ALKALINE LIQUID DETERGENT
Discharge Pressure	10.3 bar (150 psi)
Temperature	204 °C (400 °F)

PREVIOUS PACKING

Type	PTFE / GRAPHITE
Life	3 weeks

GFO® FIBER PACKING

Life	6 weeks
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CASE HISTORY # 14

CONDITIONS

Industry Type	PULP & PAPER
Equipment	LIQUOR PUMPS
Medium	SODIUM HYDROXIDE
Temperature	120 °C (248 °F)

PREVIOUS PACKING

Type	PTFE/GRAPHITE
Life	12 weeks

GFO® FIBER PACKING

Life	36 weeks
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CASE HISTORY # 15

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP VIKING
Packing	6 Rings 13 mm (1/2")
Shaft Size	64.1 mm (2-1/2")
Shaft Speed	1.5 m/s (450 RPM – 294 fmp)
Medium	OIL BASE
Discharge Pressure	3.5 bar (51 psi)
Temperature	149 °C (300 °F)

PREVIOUS PACKING

Type	GRAPHITE
Life	7 weeks

GFO® FIBER PACKING

Life	23 weeks
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CASE HISTORY # 16

CONDITIONS

Industry Type	PAINT
Equipment	PUMP VIKING
Packing	5 Rings 10 mm (3/8")
Shaft Size	32.1 mm (1-1/4")
Shaft Speed	2.9 m/s (1750 RPM – 572 fmp)
Medium	PAINT/SOLVENT (ABRASIVE)
Discharge Pressure	6.6 bar (95 psi)
Temperature	39 °C (102 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	4 weeks

GFO® FIBER PACKING

Life	35+ weeks
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CASE HISTORY # 17

CONDITIONS

Industry Type	ASPHALT
Equipment	PUMP VIKING
Packing	9 Rings 10 mm (3/8")
Shaft Size	51.3 mm (2")
Shaft Speed	4.7 m/s (1750 RPM – 916 fmp)
Medium	ASPHALT
Discharge Pressure	N/A
Temperature	160 °C (320 °F)

PREVIOUS PACKING

Type	PTFE
Life	5 weeks

GFO® FIBER PACKING

Life	52 weeks
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CASE HISTORY # 18

CONDITIONS

Industry Type	PAPER
Equipment	PUMP WARREN
Packing	5 Rings 13 mm (1/2")
Shaft Size	73.7 mm (2-7/8")
Shaft Speed	6.9 m/s (1800 RPM – 1354 fmp)
Medium	STOCK PULP
Discharge Pressure	5.1 bar (74 psi)
Temperature	27 °C (80 °F)

PREVIOUS PACKING

Type	ASBESTOS
Life	9 weeks

GFO® FIBER PACKING

Life	31 weeks
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CASE HISTORY # 19

CONDITIONS

Industry Type	PAPER
Equipment	PUMP GOULDS
Packing	5 Rings 13 mm (1/2")
Shaft Size	64.1 mm (2-1/2")
Shaft Speed	6.2 m/s (1850 RPM – 1210 fmp)
Medium	WATER
Discharge Pressure	4.5 bar (65 psi)
Temperature	49°C (120°F)

PREVIOUS PACKING

Type	ASBESTOS
Life	9 weeks

GFO® FIBER PACKING

Life	28 weeks
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CASE HISTORY # 20

CONDITIONS

Industry Type	PAPER
Equipment	SAVEALL PUMP
Packing	5 Rings 10 mm (3/8")
Shaft Size	41.7 mm (1-5/8")
Shaft Speed	3.8 m/s (1750 RPM – 744 fmp)
Medium	SLURRY
Discharge Pressure	0.7 bar (10 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ARAMID
Life	9 weeks

GFO® FIBER PACKING

Life	59+ weeks
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CASE HISTORY # 21

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP DURCO
Packing	5 Rings 10 mm (3/8")
Shaft Size	51.3 mm (2")
Shaft Speed	4.8 m/s (1800 RPM – 942 fmp)
Medium	SULFURIC CHLORIDE
Discharge Pressure	0.7 bar (10 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	PTFE
Life	6 weeks

GFO® FIBER PACKING

Life	23 weeks
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CASE HISTORY # 22

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP AMERICAN WELLWORKS
Packing	3 Rings 13 mm (1/2")
Shaft Size	41.7 mm (1-5/8")
Shaft Speed	1.9 m/s (860 RPM – 366 fmp)
Medium	SEWAGE
Discharge Pressure	N/A
Temperature	37°C (98°F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	4 weeks

GFO® FIBER PACKING

Life	15 weeks
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CASE HISTORY # 23

CONDITIONS

Industry Type	PAPER
Equipment	PUMP BINGHAM
Packing	5 Rings 13 mm (1/2")
Shaft Size	89.7 mm (3-1/2")
Shaft Speed	16.8 m/s (3600 RPM – 3297 fmp)
Medium	LIQUOR (CAUSTIC MAKEUP)
Discharge Pressure	2.8 bar (40 psi)
Temperature	93°C (200°F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	4 weeks

GFO® FIBER PACKING

Life	9 weeks
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CASE HISTORY # 24

CONDITIONS

Industry Type	OIL
Equipment	PUMP ECONOMY
Packing	5 Rings 10 mm (3/8")
Shaft Size	64.1 mm (2-1/2")
Shaft Speed	12.0 m/s (3600 RPM – 2355 fmp)
Medium	MUD/WATER (GRITTY)
Discharge Pressure	2.1 bar (30 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	2 weeks

GFO® FIBER PACKING

Life	28 weeks
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CASE HISTORY # 25

CONDITIONS

Industry Type	PAPER
Equipment	PUMP DeLaval
Packing	12 Rings 10 mm (3/8")
Shaft Size	51.3 mm (2")
Shaft Speed	9.4 m/s (3550 RPM – 1858 fmp)
Medium	WATER
Discharge Pressure	17.3 bar (250 psi)
Temperature	127 °C (260 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	4 weeks

GFO® FIBER PACKING

Life	52 weeks
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CASE HISTORY # 26

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP VIKING
Packing	3 Rings 13 mm (1/2")
Shaft Size	60.9 mm (2-3/8")
Shaft Speed	0.9 m/s (300 RPM – 186 fmp)
Medium	METHANOL SOLUTION (CAUSTIC)
Discharge Pressure	1.0 bar (15 psi)
Temperature	60 °C (140 °F)

PREVIOUS PACKING

Type	PTFE
Life	16 weeks

GFO® FIBER PACKING

Life	50 weeks
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CASE HISTORY # 27

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP VIKING
Packing	5 Rings 13 mm (1/2")
Shaft Size	64.1 mm (2-1/2")
Shaft Speed	1.3 m/s (400 RPM – 262 fmp)
Medium	OIL ADDITIVES
Discharge Pressure	5.5 bar (80 psi)
Temperature	149 °C (300 °F)

PREVIOUS PACKING

Type	GRAPHITE
Life	8 weeks

GFO® FIBER PACKING

Life	42+ weeks
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CASE HISTORY # 28

CONDITIONS

Industry Type	STEEL
Equipment	PUMP ALDRIDGE
Packing	11 Rings 16 mm (5/8")
Shaft Size	92.9 mm (3-5/8")
Shaft Speed	1.5 m/s (400 RPM – 285 fmp)
Medium	WATER
Discharge Pressure	131.0 bar (1900 psi)
Temperature	N/A

PREVIOUS PACKING

Type	FLAX/ GRAPHITE
Life	4 weeks

GFO® FIBER PACKING

Life	23 weeks
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CASE HISTORY # 29

CONDITIONS

Industry Type	LEAD RECYCLING
Equipment	PUMP LaBour
Packing	6 Rings 6 mm (1/4")
Shaft Size	28.8 mm (1-1/8")
Shaft Speed	1.9 m/s (1250 RPM – 368 fmp)
Medium	SULFURIC ACID
Discharge Pressure	1.7 bar (25 psi)
Temperature	52 °C (125 °F)

PREVIOUS PACKING

Type	GRAPHITE
Life	1 weeks

GFO® FIBER PACKING

Life	18 weeks
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CASE HISTORY # 30

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP VIKING
Packing	5 Rings 6 mm (1/4")
Shaft Size	35.3 mm (1-3/8")
Shaft Speed	2.7 m/s (1500 RPM – 540 fmp)
Medium	WATER
Discharge Pressure	7.6 bar (110 psi)
Temperature	121 °C (250 °F)

PREVIOUS PACKING

Type	GRAPHITE
Life	4 weeks

GFO® FIBER PACKING

Life	33 weeks
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CASE HISTORY # 31

CONDITIONS

Industry Type	IRON
Equipment	PUMP WORTHINGTON
Packing	5 Rings 10 mm (3/8")
Shaft Size	28.8 mm (1-1/8")
Shaft Speed	5.4 m/s (3600 RPM – 1060 fmp)
Medium	WATER
Discharge Pressure	8.3 bar (120 psi)
Temperature	41 °C (106°F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	3 weeks

GFO® FIBER PACKING

Life	7 weeks
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CASE HISTORY # 32

CONDITIONS

Industry Type	PAPER
Equipment	HYDROPULPER JONES
Packing	5 Rings 16 mm (5/8")
Shaft Size	141.0 mm (5-1/2")
Shaft Speed	1.1 m/s (150 RPM – 216 fmp)
Medium	PULP WOOD / WATER
Discharge Pressure	N/A
Temperature	AMBIENT

PREVIOUS PACKING

Type	ARAMID
Life	3 weeks

GFO® FIBER PACKING

Life	39+ weeks
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CASE HISTORY # 33

CONDITIONS

Industry Type	ASPHALT
Equipment	PUMP VIKING
Packing	7 Rings 10 mm (3/8")
Shaft Size	36.9 mm (1-7/16")
Shaft Speed	0.4 m/s (200 RPM – 75 fmp)
Medium	ASPHALT (FLUX)
Discharge Pressure	1.8 bar (26 psi)
Temperature	93 °C (200 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	8 weeks

GFO® FIBER PACKING

Life	36 weeks
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CASE HISTORY # 34

CONDITIONS

Industry Type	STEEL
Equipment	PUMP INGERSOLL RAND
Packing	6 Rings 10 mm (3/8")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	2.2 m/s (1100 RPM – 432 fmp)
Medium	WATER
Discharge Pressure	6.9 bar (100 psi)
Temperature	27 °C (80 °F)

PREVIOUS PACKING

Type	GRAPHITE
Life	12 weeks

GFO® FIBER PACKING

Life	39 weeks
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CASE HISTORY # 35

CONDITIONS

Industry Type	ASPHALT
Equipment	PUMP INGERSOLL RAND
Packing	7 Rings 10 mm (3/8")
Shaft Size	48.1 mm (1-7/8")
Shaft Speed	4.5 m/s (1800 RPM – 883 fmp)
Medium	OIL
Discharge Pressure	3.5 bar (50 psi)
Temperature	160 °C (320 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	6 weeks

GFO® FIBER PACKING

Life	55+ weeks
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CASE HISTORY # 36

CONDITIONS

Industry Type	CHEMICAL
Equipment	AGITATOR CHEMINEER
Packing	3 Rings 6 mm (1/4")
Shaft Size	8.0 mm (5/16")
Shaft Speed	0.2 m/s (500 RPM – 41 fmp)
Medium	ETHYLENE OXIDE
Discharge Pressure	4.1 bar (60 psi)
Temperature	177 °C (350 °F)

PREVIOUS PACKING

Type	PTFE
Life	3 weeks

GFO® FIBER PACKING

Life	31 weeks
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CASE HISTORY # 37

CONDITIONS

Industry Type	PLASTIC
Equipment	PUMP KROGH
Packing	7 Rings 6 mm (1/4")
Shaft Size	32.1 mm (1-1/4")
Shaft Speed	2.9 m/s (1750 RPM – 572 fmp)
Medium	METHYL METHACRYLATE
Discharge Pressure	2.8 bar (40 psi)
Temperature	43 °C (110 °F)

PREVIOUS PACKING

Type	PTFE
Life	3 weeks

GFO® FIBER PACKING

Life	10 weeks
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CASE HISTORY # 38

CONDITIONS

Industry Type	PRINTING
Equipment	PUMP
Packing	12 Rings 10 mm (3/8")
Shaft Size	51.3 mm (2")
Shaft Speed	4.5 m/s (1700 RPM – 890 fmp)
Medium	WATER
Discharge Pressure	5.2 bar (75 psi)
Temperature	7 °C (45 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	3 weeks

GFO® FIBER PACKING

Life	14+ weeks
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CASE HISTORY # 39

CONDITIONS

Industry Type	UTILITIES
Equipment	GRINDER UNITED CONVEYOR
Packing	10 Rings 13 mm (1/2")
Shaft Size	102.6 mm (4")
Shaft Speed	0.1 m/s (10 RPM – 10 fmp)
Medium	COAL SLAG
Discharge Pressure	1.4 bar (20 psi)
Temperature	54 °C (130 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	1 week

GFO® FIBER PACKING

Life	26 weeks
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CASE HISTORY # 40

CONDITIONS

Industry Type	STEEL
Equipment	AIR COMPRESSOR INGERSOLL RAND
Packing	5 Rings 16 mm (5/8")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	N/A
Medium	AIR
Discharge Pressure	2.1 bar (30 psi)
Temperature	132 °C (270 °F)

PREVIOUS PACKING

Type	FLAX/ GRAPHITE
Life	10 weeks

GFO® FIBER PACKING

Life	43+ weeks
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CASE HISTORY # 41

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP DURCO
Packing	7 Rings 10 mm (3/8")
Shaft Size	48.1 mm (1-7/8")
Shaft Speed	4.4 m/s (1750 RPM – 859 fmp)
Medium	CRYSTAL (CAUSTIC SOLUTION)
Discharge Pressure	N/A
Temperature	93 °C (200 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	7 weeks

GFO® FIBER PACKING

Life	45 weeks
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CASE HISTORY # 42

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP WORTHINGTON
Packing	3 Rings 10 mm (3/8")
Shaft Size	22.4 mm (7/8")
Shaft Speed	2.0 m/s (1750 RPM – 401 fmp)
Medium	METHYLENE CHLORIDE
Discharge Pressure	N/A
Temperature	18 °C (65 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	18 weeks

GFO® FIBER PACKING

Life	63+ weeks
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CASE HISTORY # 43

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP ALLIS-CHALMERS
Packing	5 Rings 13 mm (1/2")
Shaft Size	32.1 mm (1-1/4")
Shaft Speed	2.9 m/s (1725 RPM – 564 fmp)
Medium	WATER
Discharge Pressure	2.7 bar (39 psi)
Temperature	N/A

PREVIOUS PACKING

Type	ARAMID
Life	12 weeks

GFO® FIBER PACKING

Life	41+ weeks
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CASE HISTORY # 44

CONDITIONS

Industry Type	MANUFACTURER
Equipment	PELLITIZER BLACK CLAWSON
Packing	4 Rings 10 mm (3/8")
Shaft Size	51.3 mm (2")
Shaft Speed	4.8 m/s (1800 RPM – 942 fmp)
Medium	WATER
Discharge Pressure	2.8 bar (40 psi)
Temperature	218 °C (425 °F)

PREVIOUS PACKING

Type	PTFE/ GRAPHITE
Life	2 weeks

GFO® FIBER PACKING

Life	5 weeks
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CASE HISTORY # 45

CONDITIONS

Industry Type	MANUFACTURER
Equipment	PELLITIZER BLACK CLAWSON
Packing	5 Rings 10 mm (3/8")
Shaft Size	51.3 mm (2")
Shaft Speed	4.8 m/s (1800 RPM – 942 fmp)
Medium	WATER
Discharge Pressure	2.8 bar (40 psi)
Temperature	218 °C (425 °F)

PREVIOUS PACKING

Type	PTFE/ GRAPHITE
Life	1 week

GFO® FIBER PACKING

Life	19 weeks
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CASE HISTORY # 46

CONDITIONS

Industry Type	FOUNDRY
Equipment	PUMP RUGGELL 1922
Packing	4 Rings 10 mm (3/8")
Shaft Size	25.6 mm (1")
Shaft Speed	1.6 m/s (1200 RPM – 314 fmp)
Medium	WATER
Discharge Pressure	N/A
Temperature	49 °C (120 °F)

PREVIOUS PACKING

Type	GRAPHITE STRING
Life	4 weeks

GFO® FIBER PACKING

Life	16+ weeks
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CASE HISTORY # 47

CONDITIONS

Industry Type	RESIN PROCESSING
Equipment	VALVE
Packing	5 Rings 6 mm (1/4")
Shaft Size	N/A
Shaft Speed	N/A
Medium	FORMALDEHYDE SOLUTION (52%)
Discharge Pressure	6.9 bar (100 psi)
Temperature	70 °C (158 °F)

PREVIOUS PACKING

Type	GRAPHITE/ STRING
Life	2 weeks

GFO® FIBER PACKING

Life	42 weeks
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CASE HISTORY # 48

CONDITIONS

Industry Type	STEEL
Equipment	PUMP LaBour
Packing	7 Rings 10 mm (3/8")
Shaft Size	36.9 mm (1-7/16")
Shaft Speed	N/A
Medium	SULFURIC ACID
Discharge Pressure	0.6 bar (9 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	GRAPHITE
Life	16 weeks

GFO® FIBER PACKING

Life	54+ weeks
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CASE HISTORY # 49

CONDITIONS

Industry Type	STEEL
Equipment	PUMP WORTHINGTON
Packing	12 Rings 13 mm (1/2")
Shaft Size	80.1 mm (3-1/8")
Shaft Speed	7.4 m/s (1780 RPM – 1456 fmp)
Medium	STEEL SCALE/ WATER
Discharge Pressure	15.9 bar (230 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	GRAPHITE
Life	10 weeks

GFO® FIBER PACKING

Life	18 weeks
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CASE HISTORY # 50

CONDITIONS

Industry Type	PLASTERBOARD
Equipment	ROTARY AIRLOCK VALVE
Packing	12 Rings 6 mm (1/4")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	0.1 m/s (40 RPM – 16 fmp)
Medium	GYPSPUM
Discharge Pressure	1.4 bar (20 psi)
Temperature	177 °C (350 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	1 week

GFO® FIBER PACKING

Life	3 weeks
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CASE HISTORY # 51

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP
Packing	6 Rings 8 mm (5/16")
Shaft Size	28.8 mm (1-1/8")
Shaft Speed	2.6 m/s (1760 RPM – 518 fmp)
Medium	SULFURIC ACID SOL. (20 – 40%)
Discharge Pressure	0.1 bar (2 psi)
Temperature	66 °C (150 °F)

PREVIOUS PACKING

Type	PTFE
Life	1 week

GFO® FIBER PACKING

Life	15 weeks
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CASE HISTORY # 52

CONDITIONS

Industry Type	PLASTIC
Equipment	PUMP AURORA
Packing	6 Rings 6 mm (1/4")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	3.6 m/s (1800 RPM – 706 fmp)
Medium	WATER
Discharge Pressure	13.8 bar (200 psi)
Temperature	100 °C (212 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	5 weeks

GFO® FIBER PACKING

Life	11 weeks
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CASE HISTORY # 53

CONDITIONS

Industry Type	LEAD
Equipment	PUMP WEMCO
Packing	8 Rings 6 mm (1/4")
Shaft Size	25.6 mm (1")
Shaft Speed	4.8 m/s (3600 RPM – 942 fmp)
Medium	SULFURIC ACID
Discharge Pressure	0.1 bar (2psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	GRAPHITE
Life	5 weeks

GFO® FIBER PACKING

Life	12+ weeks
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CASE HISTORY # 54

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP
Packing	4 Rings 16 mm (5/8")
Shaft Size	102.6 mm (4")
Shaft Speed	9.4 m/s (1770 RPM – 1853 fmp)
Medium	ASH SLURRY
Discharge Pressure	9.7 bar (140 psi)
Temperature	38 °C (140 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	4 weeks

GFO® FIBER PACKING

Life	12+ weeks
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CASE HISTORY # 55

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP WORTHINGTON
Packing	3 Rings 10 mm (3/8")
Shaft Size	22.4 mm (7/8")
Shaft Speed	N/A
Medium	METHYLENE CHLORIDE
Discharge Pressure	N/A
Temperature	AMBIENT

PREVIOUS PACKING

Type	GRAPHITE
Life	22 weeks

GFO® FIBER PACKING

Life	49+ weeks
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CASE HISTORY # 56

CONDITIONS

Industry Type	MANUFACTURER
Equipment	PUMP GOULD
Packing	6 Rings 10 mm (3/8")
Shaft Size	32.1 mm (1-1/4")
Shaft Speed	2.9 m/s (1725 RPM – 564 fmp)
Medium	FABRIC SOFTENER
Discharge Pressure	2.1 bar (30 psi)
Temperature	38°C (100°F)

PREVIOUS PACKING

Type	PTFE
Life	6 weeks

GFO® FIBER PACKING

Life	22 weeks
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CASE HISTORY # 57

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP INGERSOLL RAND
Packing	9 Rings 13 mm (1/2")
Shaft Size	102.6 mm (4")
Shaft Speed	6.3 m/s (1184 RPM – 1239 fmp)
Medium	WATER
Discharge Pressure	1.7 bar (24 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	16 weeks

GFO® FIBER PACKING

Life	69+ weeks
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CASE HISTORY # 58

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP DeLaval
Packing	6 Rings 19 mm (3/4")
Shaft Size	64.1 mm (2-1/2")
Shaft Speed	4.0 m/s (1200 RPM – 785 fmp)
Medium	WATER
Discharge Pressure	2.2 bar (32 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	PTFE
Life	16 weeks

GFO® FIBER PACKING

Life	42 weeks
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CASE HISTORY # 59

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP VIKING
Packing	6 Rings 10 mm (3/8")
Shaft Size	25.6 mm (1")
Shaft Speed	0.5 m/s (400 RPM – 105 fmp)
Medium	RUST INHIBITOR
Discharge Pressure	6.9 bar (100 psi)
Temperature	149°C (300°F)

PREVIOUS PACKING

Type	CARBON/ GRAPHITE
Life	2 weeks

GFO® FIBER PACKING

Life	30+ weeks
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CASE HISTORY # 60

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP
Packing	6 Rings 8 mm (5/16")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	3.5 m/s (1760 RPM – 691 fmp)
Medium	SODIUM HYDROXIDE (20%)
Discharge Pressure	0.1 bar (2 psi)
Temperature	66°C (150°F)

PREVIOUS PACKING

Type	PTFE
Life	1 week

GFO® FIBER PACKING

Life	11 weeks
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CASE HISTORY # 61

CONDITIONS

Industry Type	STEEL
Equipment	AIR COMPRESSOR INGERSOLL RAND
Packing	5 Rings 16 mm (5/8")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	N/A
Medium	AIR
Discharge Pressure	6.9 bar (100 psi)
Temperature	135 °C (275°F)

PREVIOUS PACKING

Type	FLAX/ GRAPHITE
Life	10 weeks

GFO® FIBER PACKING

Life	30+ weeks
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CASE HISTORY # 62

CONDITIONS

Industry Type	CHEMICAL
Equipment	VALVE YOUNG
Packing	6 Rings 6 mm (1/4")
Shaft Size	62.5 mm (2 – 7/16")
Shaft Speed	0.1 m/s (15 RPM – 10 fmp)
Medium	RESIN (SUSPENSION)
Discharge Pressure	0.8 bar (11 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	1 week

GFO® FIBER PACKING

Life	6 weeks
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CASE HISTORY # 63

CONDITIONS

Industry Type	MANUFACTURER
Equipment	REACTOR GLASGOW
Packing	6 Rings 16 mm (5/8")
Shaft Size	109.0 mm (4-1/4")
Shaft Speed	0.7 m/s (120 RPM – 133 fmp)
Medium	ALCOHOL (ABRASIVE)
Discharge Pressure	0.5 bar (7 psi)
Temperature	93 °C (200 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	4 weeks

GFO® FIBER PACKING

Life	37+ weeks
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CASE HISTORY # 64

CONDITIONS

Industry Type	TEXTILE
Equipment	PUMP GASO
Packing	4 Rings 13 mm (1/2")
Shaft Size	51.3 mm (2")
Shaft Speed	0.8 m/s (280 RPM – 147 fmp)
Medium	DYE WASTE FLUID
Discharge Pressure	22.3 bar (323 psi)
Temperature	85 °C (185°F)

PREVIOUS PACKING

Type	GRAPHITE FOIL
Life	4 weeks

GFO® FIBER PACKING

Life	15 weeks
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CASE HISTORY # 65

CONDITIONS

Industry Type	MANUFACTURER
Equipment	PELLITIZER BLACK CLAWSON
Packing	5 Rings 10 mm (3/8")
Shaft Size	51.3 mm (2")
Shaft Speed	4.8 m/s (1800 RPM – 942 fmp)
Medium	WATER
Discharge Pressure	2.8 bar (40 psi)
Temperature	218 °C (425°F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	1 week

GFO® FIBER PACKING

Life	19 weeks
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CASE HISTORY # 66

CONDITIONS

Industry Type	LEAD
Equipment	PUMP WEMCO
Packing	8 Rings 6 mm (1/4")
Shaft Size	25.6 mm (1")
Shaft Speed	4.7 m/s (3500 RPM – 916 fmp)
Medium	SULFURIC ACID
Discharge Pressure	0.5 bar (7 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	GRAPHITE
Life	5 weeks

GFO® FIBER PACKING

Life	12+ weeks
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CASE HISTORY # 67

CONDITIONS

Industry Type	BRICK (FIRE)
Equipment	PUMP ROTH
Packing	6 Rings 6 mm (1/4")
Shaft Size	32.1 mm (1-1/4")
Shaft Speed	6.0 m/s (3600 RPM – 1178 fmp)
Medium	CONDENSATE
Discharge Pressure	10.3 bar (150 psi)
Temperature	82°C (180°F)

PREVIOUS PACKING

Type	ASBESTOS
Life	8 weeks

GFO® FIBER PACKING

Life	88 weeks
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CASE HISTORY # 68

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP VIKING
Packing	6 Rings 10 mm (3/8")
Shaft Size	41.7 mm (1-5/8")
Shaft Speed	0.9 m/s (400 RPM – 170 fmp)
Medium	RUST INHIBITOR
Discharge Pressure	3.3 bar (48 psi)
Temperature	107°C (225°F)

PREVIOUS PACKING

Type	GRAPHITE
Life	1 week

GFO® FIBER PACKING

Life	5 weeks
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CASE HISTORY # 69

CONDITIONS

Industry Type	STEEL
Equipment	PUMP WORTHINGTON
Packing	5 Rings 8 mm (5/16")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	6.8 m/s (3400 RPM – 1334 fmp)
Medium	SODIUM ALUMINATE
Discharge Pressure	2.1 bar (30 psi)
Temperature	43°C (110°F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	12 weeks

GFO® FIBER PACKING

Life	17+ weeks
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CASE HISTORY # 70

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP GOULD
Packing	5 Rings 10 mm (3/8")
Shaft Size	48.1 mm (1-7/8")
Shaft Speed	4.7 m/s (1875 RPM – 920 fmp)
Medium	SODIUM CHLORATE
Discharge Pressure	6.9 bar (100 psi)
Temperature	66°C (150°F)

PREVIOUS PACKING

Type	ASBESTOS
Life	13 weeks

GFO® FIBER PACKING

Life	42+ weeks
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CASE HISTORY # 71

CONDITIONS

Industry Type	MANUFACTURER
Equipment	PUMP ALLIS-CHALMERS
Packing	7 Rings 10 mm (3/8")
Shaft Size	54.5 mm (2-1/8")
Shaft Speed	4.9 m/s (1750 RPM – 973 fmp)
Medium	SLURRY
Discharge Pressure	3.8 bar (55 psi)
Temperature	49°C (120°F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	2 weeks

GFO® FIBER PACKING

Life	5 weeks
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CASE HISTORY # 72

CONDITIONS

Industry Type	ALUMINIUM
Equipment	PUMP INGERSOLL RAND
Packing	4 Rings 13 mm (1/2")
Shaft Size	51.3 mm (2")
Shaft Speed	9.6 m/s (3600 RPM – 1884 fmp)
Medium	OIL/ WATER
Discharge Pressure	2.0 bar (29 psi)
Temperature	49°C (120°F)

PREVIOUS PACKING

Type	FLAX/ GRAPHITE
Life	26 weeks

GFO® FIBER PACKING

Life	34+ weeks
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CASE HISTORY # 73

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP GOULD
Packing	4 Rings 10 mm (3/8")
Shaft Size	25.6 mm (1")
Shaft Speed	2.3 m/s (1725 RPM – 451 fmp)
Medium	CAUSTIC SODA SOLUTION (10%)
Discharge Pressure	N/A
Temperature	AMBIENT

PREVIOUS PACKING

Type	ARAMID
Life	16 weeks

GFO® FIBER PACKING

Life	48+ weeks
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CASE HISTORY # 74

CONDITIONS

Industry Type	ASPHALT
Equipment	PUMP DEMING
Packing	6 Rings 6 mm (1/4")
Shaft Size	16.0 mm (5/8")
Shaft Speed	3.0 m/s (3600 RPM – 589 fmp)
Medium	OIL
Discharge Pressure	2.1 bar (30 psi)
Temperature	163 °C (325 °F)

PREVIOUS PACKING

Type	ABESTOS
Life	15 weeks

GFO® FIBER PACKING

Life	46+ weeks
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CASE HISTORY # 75

CONDITIONS

Industry Type	PAPER
Equipment	PUMP WARREN
Packing	5 Rings 16mm (5/8")
Shaft Size	105.8 mm (4-1/8")
Shaft Speed	6.5 m/s (1180 RPM – 1274 fmp)
Medium	STOCK
Discharge Pressure	7.9 bar (115 psi)
Temperature	38 °C (100 °F)

PREVIOUS PACKING

Type	ASBESTOS/PTFE
Life	8 weeks

GFO® FIBER PACKING

Life	26+ weeks
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CASE HISTORY # 76

CONDITIONS

Industry Type	STEEL
Equipment	PUMP JOHNSON
Packing	5 Rings 19 mm (3/4")
Shaft Size	64.1 mm (2-1/2")
Shaft Speed	5.8 m/s (1750 RPM – 1145 fmp)
Medium	WATER
Discharge Pressure	2.8 bar (40 psi)
Temperature	4 °C (40 °F)

PREVIOUS PACKING

Type	GRAPHITE
Life	26 weeks

GFO® FIBER PACKING

Life	35+ weeks
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CASE HISTORY # 77

CONDITIONS

Industry Type	OIL
Equipment	PUMP TRW MISSION
Packing	6 Rings 10 mm (3/8")
Shaft Size	48.1 mm (1-7/8")
Shaft Speed	4.4 m/s (1750 RPM – 859 fmp)
Medium	SAND SLURRY
Discharge Pressure	0.8 bar (12 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS/PTFE
Life	6 weeks

GFO® FIBER PACKING

Life	12+ weeks
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CASE HISTORY # 78

CONDITIONS

Industry Type	PAPER
Equipment	PUMP WORTHINGTON
Packing	6 Rings 11 mm (7/16")
Shaft Size	54.5 mm (2-1/8")
Shaft Speed	5.7 m/s (2000 RPM – 1112 fmp)
Medium	RED LIQUOR
Discharge Pressure	5.2 bar (75 psi)
Temperature	93 °C (200 °F)

PREVIOUS PACKING

Type	PTFE
Life	5 weeks

GFO® FIBER PACKING

Life	15+ weeks
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CASE HISTORY # 79

CONDITIONS

Industry Type	PAPER
Equipment	PUMP WORTHINGTON
Packing	5 Rings 16 mm (5/8")
Shaft Size	76.9 mm (3")
Shaft Speed	8.4 m/s (2100 RPM – 1648 fmp)
Medium	MGO SLURRY
Discharge Pressure	4.8 bar (70 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	PTFE
Life	4 weeks

GFO® FIBER PACKING

Life	10+ weeks
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CASE HISTORY # 80

CONDITIONS

Industry Type	STEEL
Equipment	PUMP GOULD
Packing	6 Rings 8 mm (5/16")
Shaft Size	N/A
Shaft Speed	3.5 m/s (1750 RPM – 687 fmp)
Medium	WATER
Discharge Pressure	0.8 bar (11 psi)
Temperature	60 °C (140 °F)

PREVIOUS PACKING

Type	GRAPHITE
Life	22 weeks

GFO® FIBER PACKING

Life	28 weeks
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CASE HISTORY # 81

CONDITIONS

Industry Type	CHEMICAL
Equipment	BLENDER HOWE
Packing	3 Rings 13 mm (1/2")
Shaft Size	230.8 mm (9")
Shaft Speed	0.1 m/s (9 RPM – 21 fmp)
Medium	HERBICIDE (WEED KILLER)
Discharge Pressure	N/A
Temperature	38 °C (100 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	3 weeks

GFO® FIBER PACKING

Life	8 weeks
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CASE HISTORY # 82

CONDITIONS

Industry Type	CABLE
Equipment	PRESSURIZED VESSEL AUTOCLAVE
Packing	7 Rings 6 mm (1/4")
Shaft Size	51.3 mm (2")
Shaft Speed	0.9 m/s (320 RPM – 167 fmp)
Medium	PEROXIDE/ STEAM
Discharge Pressure	17.3 bar (250 psi)
Temperature	193 °C (380 °F)

PREVIOUS PACKING

Type	GRAPHITE
Life	1 week

GFO® FIBER PACKING

Life	78 weeks
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CASE HISTORY # 83

CONDITIONS

Industry Type	METAL (FABRICATED)
Equipment	PUMP WORTHINGTON
Packing	6 Rings 8 mm (5/16")
Shaft Size	57.7 mm (2-1/4")
Shaft Speed	5.2 m/s (1750 RPM – 1030 fmp)
Medium	WATER
Discharge Pressure	12.4 bar (180 psi)
Temperature	182 °C (360 °F)

PREVIOUS PACKING

Type	CARBON
Life	4 weeks

GFO® FIBER PACKING

Life	24 weeks
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CASE HISTORY # 84

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP VACSEAL
Packing	6 Rings 10 mm (3/8")
Shaft Size	51.3 mm (2")
Shaft Speed	3.8 m/s (1440 RPM – 754 fmp)
Medium	TOLUENE
Discharge Pressure	1.4 bar (20 psi)
Temperature	80 °C (176 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	2 weeks

GFO® FIBER PACKING

Life	17+ weeks
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CASE HISTORY # 85

CONDITIONS

Industry Type	OIL
Equipment	PUMP TRW MISSION
Packing	5 Rings 10 mm (3/8")
Shaft Size	48.1 mm (1-7/8")
Shaft Speed	3.6 m/s (1440 RPM – 706 fmp)
Medium	MUD/ OIL
Discharge Pressure	2.6 bar (37 psi)
Temperature	165 °C (329 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	4 weeks

GFO® FIBER PACKING

Life	12 weeks
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CASE HISTORY # 86

CONDITIONS

Industry Type	CHEMICAL
Equipment	VALVE
Packing	N/A
Shaft Size	N/A
Shaft Speed	N/A
Medium	ACID MIXTURES
Discharge Pressure	2.8 bar (40 psi)
Temperature	100 °C (212 °F)

PREVIOUS PACKING

Type	PTFE
Life	1 week

GFO® FIBER PACKING

Life	12 weeks
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CASE HISTORY # 87

CONDITIONS

Industry Type	PAINT
Equipment	PUMP DOUGLAS
Packing	5 Rings 13 mm (1/2")
Shaft Size	64.1 mm (2-1/2")
Shaft Speed	0.3 m/s (100 RPM – 65 fmp)
Medium	SOLVENTS/ RESINS
Discharge Pressure	3.5 bar (50 psi)
Temperature	100 °C (212 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	12 weeks

GFO® FIBER PACKING

Life	20 weeks
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CASE HISTORY # 88

CONDITIONS

Industry Type	OIL
Equipment	PUMP TRW MISSION
Packing	5 Rings 10 mm (3/8")
Shaft Size	48.1 mm (1-7/8")
Shaft Speed	3.6 m/s (1440 RPM – 706 fmp)
Medium	MUD
Discharge Pressure	2.8 bar (40 psi)
Temperature	150 °C (302 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	8 weeks

GFO® FIBER PACKING

Life	16 weeks
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CASE HISTORY # 89

CONDITIONS

Industry Type	PULP & PAPER
Equipment	KAMYR DIGESTOR (top separator)
Medium	SODIUM HYDROXIDE
Temperature	120 °C (248 °F)

PREVIOUS PACKING

Type	PTFE/GRAPHITE
Life	36 weeks

GFO® FIBER PACKING

Life	72 weeks
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CASE HISTORY # 90

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP ZENITH PEP
Packing	5 Rings 10 mm (3/8")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	2.9 m/s (1450 RPM – 569 fmp)
Medium	AIR
Discharge Pressure	1.9 bar (28 psi)
Temperature	40 °C (104 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	4 weeks

GFO® FIBER PACKING

Life	12+ weeks
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CASE HISTORY # 91

CONDITIONS

Industry Type	PAIN'T
Equipment	MASTERMIX
Packing	6 Rings 10 mm (3/8")
Shaft Size	64.1 mm (2-1/2")
Shaft Speed	0.2 m/s (60 RPM – 39 fmp)
Medium	PITCH PAINT
Discharge Pressure	N/A
Temperature	163 °C (325 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	12 weeks

GFO® FIBER PACKING

Life	36 weeks
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CASE HISTORY # 92

CONDITIONS

Industry Type	PAPER
Equipment	PUMP HARLAND
Packing	6 Rings 10 mm (3/8")
Shaft Size	25.6 mm (1")
Shaft Speed	1.9 m/s (1400 RPM – 366 fmp)
Medium	STARCH
Discharge Pressure	2.1 bar (30 psi)
Temperature	93 °C (200 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	8 weeks

GFO® FIBER PACKING

Life	20+ weeks
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CASE HISTORY # 93

CONDITIONS

Industry Type	RUBBER
Equipment	PUMP SULZER
Packing	5 Rings 10 mm (3/8")
Shaft Size	51.3 mm (2")
Shaft Speed	3.8 m/s (1440 RPM – 754 fmp)
Medium	WATER
Discharge Pressure	2.1 bar (30 psi)
Temperature	160 °C (320 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	4 weeks

GFO® FIBER PACKING

Life	20+ weeks
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CASE HISTORY # 94

CONDITIONS

Industry Type	OIL
Equipment	VALVE
Packing	6 Rings 8 mm (5/16")
Shaft Size	N/A
Shaft Speed	N/A
Medium	STEAM
Discharge Pressure	6.9 bar (100 psi)
Temperature	100 °C (212 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	4 weeks

GFO® FIBER PACKING

Life	8+ weeks
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CASE HISTORY # 95

CONDITIONS

Industry Type	PAPER
Equipment	PUMP MONO
Packing	5 Rings 10 mm (3/8")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	1.8 m/s (900 RPM – 353 fmp)
Medium	STARCH
Discharge Pressure	2.8 bar (40 psi)
Temperature	57 °C (135 °F)

PREVIOUS PACKING

Type	ASBESTOS
Life	4 weeks

GFO® FIBER PACKING

Life	20+ weeks
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CASE HISTORY # 96

CONDITIONS

Industry Type	RUBBER
Equipment	PUMP SIGMUND
Packing	4 Rings 10 mm (3/8")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	2.9 m/s (1440 RPM – 565 fmp)
Medium	WATER
Discharge Pressure	2.8 bar (40 psi)
Temperature	116 °C (240 °F)

PREVIOUS PACKING

Type	ARAMID
Life	4 weeks

GFO® FIBER PACKING

Life	20+ weeks
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CASE HISTORY # 97**CONDITIONS**

Industry Type	CHEMICAL
Equipment	PUMP
Packing	N/A
Shaft Size	102.6 mm (4")
Shaft Speed	0.5 m/s (100 RPM – 105 fmp)
Medium	TOLUENE MIXTURES
Discharge Pressure	N/A
Temperature	70 °C (158 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	4 weeks

GFO® FIBER PACKING

Life	52+ weeks
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CASE HISTORY # 98**CONDITIONS**

Industry Type	UTILITIES
Equipment	PUMP SIMON WARMAN
Packing	4 Rings 10 mm (3/8")
Shaft Size	57.7 mm (2-1/4")
Shaft Speed	6.6 m/s (2200 RPM – 1295 fmp)
Medium	RESIN (ABRASIVE TREATMENT)
Discharge Pressure	3.5 bar (50 psi)
Temperature	25 °C (77 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	4 weeks

GFO® FIBER PACKING

Life	20+ weeks
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CASE HISTORY # 99**CONDITIONS**

Industry Type	COKE OVEN
Equipment	PUMP DRYESDALE
Packing	5 Rings 13 mm (1/2")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	2.9 m/s (1440 RPM – 565 fmp)
Medium	OIL
Discharge Pressure	2.1 bar (30 psi)
Temperature	60 °C (140 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	12 weeks

GFO® FIBER PACKING

Life	16+ weeks
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CASE HISTORY # 100**CONDITIONS**

Industry Type	CHEMICAL
Equipment	DRYER VENULETH
Packing	4 Rings 13 mm (1/2")
Shaft Size	256.4 mm (10")
Shaft Speed	0.0 m/s (2 RPM – 1 fmp)
Medium	DYE
Discharge Pressure	1.8 bar (26 psi)
Temperature	50 °C (122 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	2 weeks

GFO® FIBER PACKING

Life	12+ weeks
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CASE HISTORY # 101**CONDITIONS**

Industry Type	PAPER
Equipment	PUMP WEIR
Packing	5 Rings 13 mm (1/2")
Shaft Size	51.3 mm (2")
Shaft Speed	3.9 m/s (1450 RPM – 759 fmp)
Medium	SLURRY
Discharge Pressure	3.5 bar (50 psi)
Temperature	100 °C (212 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	6 weeks

GFO® FIBER PACKING

Life	16+ weeks
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CASE HISTORY # 102**CONDITIONS**

Industry Type	PAPER
Equipment	PUMP WEIRS
Packing	5 Rings 13 mm (1/2")
Shaft Size	57.7 mm (2-1/4")
Shaft Speed	4.8 m/s (1600 RPM – 942 fmp)
Medium	STOCK (PAPER)
Discharge Pressure	2.1 bar (30 psi)
Temperature	10 °C (50 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	16 weeks

GFO® FIBER PACKING

Life	20+ weeks
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CASE HISTORY # 103

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP MONO
Packing	6 Rings 10 mm (3/8")
Shaft Size	64.1 mm (2-1/2")
Shaft Speed	1.7 m/s (500 RPM – 327 fmp)
Medium	DOLOFLOUR SAND/ GRIT
Discharge Pressure	N/A
Temperature	AMBIENT

PREVIOUS PACKING

Type	ARAMID
Life	1 week

GFO® FIBER PACKING

Life	4 weeks
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CASE HISTORY # 104

CONDITIONS

Industry Type	PAPER
Equipment	REFINER BLACK CLAWSON
Packing	N/A
Shaft Size	115.4 mm (4-1/2")
Shaft Speed	17.9 m/s (3000 RPM – 3532 fmp)
Medium	STOCK (PAPER)
Discharge Pressure	0.7 bar (10 psi)
Temperature	38 °C (100 °F)

PREVIOUS PACKING

Type	ARAMID
Life	3 weeks

GFO® FIBER PACKING

Life	24 weeks
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CASE HISTORY # 105

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP WORTHINGTON
Packing	5 Rings 19 mm (3/4")
Shaft Size	118.6 mm (4-5/8")
Shaft Speed	22.1 m/s (3600 RPM – 4357 fmp)
Medium	WATER
Discharge Pressure	20.7 bar (300 psi)
Temperature	260 °C (500 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	8 weeks

GFO® FIBER PACKING

Life	12+ weeks
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CASE HISTORY # 106

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP U.S.
Packing	28.8 mm (1-1/8")
Shaft Speed	2.6 m/s (1760 RPM – 518 fmp)
Medium	SODIUM CHROMATE
Discharge Pressure	N/A
Temperature	42 °C (107 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	4 weeks

GFO® FIBER PACKING

Life	28 weeks
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CASE HISTORY # 107

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP INGERSOLL RAND
Packing	5 Rings 13 mm (1/2")
Shaft Size	115.4 mm (4-1/2")
Shaft Speed	21.5 m/s (3600 RPM – 4239 fmp)
Medium	WATER
Discharge Pressure	20.7 bar (300 psi)
Temperature	260 °C (500 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	8 weeks

GFO® FIBER PACKING

Life	12+ weeks
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CASE HISTORY # 108

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP DEAN
Packing	7 Rings 10 mm (3/8")
Shaft Size	44.9 mm (1-3/4")
Shaft Speed	0.1 m/s (35 RPM – 16 fmp)
Medium	CLEANING FLUIDS/ WAXES
Discharge Pressure	4.8 bar (70 psi)
Temperature	121 °C (250 °F)

PREVIOUS PACKING

Type	ARAMID
Life	8 weeks

GFO® FIBER PACKING

Life	12+ weeks
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CASE HISTORY # 109

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP WORTHINGTON
Packing	5 Rings 10 mm (3/8")
Shaft Size	54.5 mm (2-1/8")
Shaft Speed	4.9 m/s (1750 RPM – 973 fmp)
Medium	SAND/ DIRT/ WATER
Discharge Pressure	3.5 bar (50 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	4 weeks

GFO® FIBER PACKING

Life	24 weeks
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CASE HISTORY # 110

CONDITIONS

Industry Type	OIL
Equipment	PUMP SIMPLEX
Packing	6 mm (1/4")
Shaft Size	N/A
Shaft Speed	N/A
Medium	GLYCOL
Discharge Pressure	44.8 bar (650 psi)
Temperature	204 °C (400 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	1 week

GFO® FIBER PACKING

Life	13 weeks
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CASE HISTORY # 111

CONDITIONS

Industry Type	OIL
Equipment	PUMP MISSION
Packing	N/A
Shaft Size	N/A
Shaft Speed	N/A
Medium	VARIED
Discharge Pressure	N/A
Temperature	N/A

PREVIOUS PACKING

Type	CARBON
Life	8 weeks

GFO® FIBER PACKING

Life	12 weeks
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CASE HISTORY # 112

CONDITIONS

Industry Type	OIL
Equipment	PUMP MOBILE
Packing	14 mm (9/16")
Shaft Size	51.3 mm (2")
Shaft Speed	N/A
Medium	VARIED
Discharge Pressure	2.4 bar (35 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	10 weeks

GFO® FIBER PACKING

Life	10+ weeks
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CASE HISTORY # 113

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP LaBour
Packing	6 Rings 6 mm (1/4")
Shaft Size	28.8 mm (1-1/8")
Shaft Speed	2.6 m/s (1750 RPM – 515 fmp)
Medium	ACID (PH 1-3)
Discharge Pressure	N/A
Temperature	71 °C (160 °F)

PREVIOUS PACKING

Type	GRAPHITE RIBBON
Life	1 week

GFO® FIBER PACKING

Life	8+ weeks
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CASE HISTORY # 114

CONDITIONS

Industry Type	RUBBER
Equipment	PUMP INGERSOLL RAND
Packing	5 Rings 8 mm (5/16")
Shaft Size	28.8 mm (1-1/8")
Shaft Speed	2.6 m/s (1750 RPM – 515 fmp)
Medium	STYRENE
Discharge Pressure	5.5 bar (80 psi)
Temperature	38 °C (100 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	12 weeks

GFO® FIBER PACKING

Life	24 weeks
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CASE HISTORY # 115

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP WORTHINGTON
Packing	5 Rings 6 mm (1/4")
Shaft Size	8.0 mm (5/16")
Shaft Speed	0.7 m/s (1750 RPM – 143 fmp)
Medium	RESIN
Discharge Pressure	2.4 bar (35 psi)
Temperature	120 °C (248 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	3 weeks

GFO® FIBER PACKING

Life	5 weeks
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CASE HISTORY # 116

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP WORTHINGTON
Packing	5 Rings 6 mm (1/4")
Shaft Size	8.0 mm (5/16")
Shaft Speed	0.7 m/s (1750 RPM – 143 fmp)
Medium	SOLVENT
Discharge Pressure	2.4 bar (35 psi)
Temperature	120 °C (248 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	1 week

GFO® FIBER PACKING

Life	3 weeks
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CASE HISTORY # 117

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP MARLOW
Packing	6 Rings 19 mm (3/4")
Shaft Size	N/A
Shaft Speed	N/A
Medium	SLUDGE
Discharge Pressure	3.5 bar (50 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	8 weeks

GFO® FIBER PACKING

Life	20+ weeks
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CASE HISTORY # 118

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP LaBour
Packing	6 Rings 10 mm (3/8")
Shaft Size	35.3 mm (1-3/8")
Shaft Speed	3.2 m/s (1750 RPM – 630 fmp)
Medium	OIL
Discharge Pressure	N/A
Temperature	110 °C (230 °F)

PREVIOUS PACKING

Type	ASBESTOS
Life	1 week

GFO® FIBER PACKING

Life	6+ weeks
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CASE HISTORY # 119

CONDITIONS

Industry Type	PAPER
Equipment	PUMP SPROUT-WALDRON
Packing	5 Rings 19 mm (3/4")
Shaft Size	128.2 mm (5")
Shaft Speed	5.3 m/s (800 RPM – 1047 fmp)
Medium	STOCK
Discharge Pressure	1.7 bar (25 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	1 week

GFO® FIBER PACKING

Life	7 weeks
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CASE HISTORY # 120

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP DURIRON
Packing	6 Rings 8 mm (5/16")
Shaft Size	28.8 mm (1-1/8")
Shaft Speed	2.6 m/s (1750 RPM – 515 fmp)
Medium	HEXACHLOROPHENE ACID
Discharge Pressure	2.8 bar (40 psi)
Temperature	82 °C (180 °F)

PREVIOUS PACKING

Type	ASBESTOS
Life	1 week

GFO® FIBER PACKING

Life	6+ weeks
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CASE HISTORY # 121

CONDITIONS

Industry Type	PAPER
Equipment	PUMP DURCO
Packing	6 Rings 10 mm (3/8")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	4.6 m/s (2300 RPM – 903 fmp)
Medium	NYLON POLYMER PELLETS
Discharge Pressure	4.1 bar (60 psi)
Temperature	99 °C (210 °F)

PREVIOUS PACKING

Type	ARAMID
Life	6 weeks

GFO® FIBER PACKING

Life	8 weeks
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CASE HISTORY # 122

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP GOULD
Packing	5 Rings 10 mm (3/8")
Shaft Size	44.9 mm (1-3/4")
Shaft Speed	4.0 m/s (1700 RPM – 778 fmp)
Medium	SEWAGE
Discharge Pressure	3.5 bar (50 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	4 weeks

GFO® FIBER PACKING

Life	12 weeks
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CASE HISTORY # 123

CONDITIONS

Industry Type	PAPER
Equipment	PUMP NASH
Packing	5 Rings 19 mm (3/4")
Shaft Size	141.0 mm (5-1/2")
Shaft Speed	3.7 m/s (500 RPM – 720 fmp)
Medium	AIR
Discharge Pressure	1.7 bar (25 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	12 weeks

GFO® FIBER PACKING

Life	52 weeks
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CASE HISTORY # 124

CONDITIONS

Industry Type	TEXTILE
Equipment	PUMP ALLIS-CHALMERS
Packing	6 Rings 13 mm (1/2")
Shaft Size	51.3 mm (2")
Shaft Speed	4.5 m/s (1700 RPM – 890 fmp)
Medium	DYE
Discharge Pressure	2.8 bar (40 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	10 weeks

GFO® FIBER PACKING

Life	28+ weeks
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CASE HISTORY # 125

CONDITIONS

Industry Type	PAPER
Equipment	PUMP GOULD
Packing	5 Rings 10 mm (3/8")
Shaft Size	44.9 mm (1-3/4")
Shaft Speed	4.1 m/s (1750 RPM – 801 fmp)
Medium	BLACK LIQUOR
Discharge Pressure	2.8 bar (40 psi)
Temperature	66 °C (150 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	3 weeks

GFO® FIBER PACKING

Life	6 weeks
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CASE HISTORY # 126

CONDITIONS

Industry Type	PULP & PAPER
Equipment	IMPREGNATION VESSEL
Medium	SODIUM HYDROXIDE
Temperature	120 °C (248 °F)

PREVIOUS PACKING

Type	PTFE / GRAPHITE
Life	36 weeks

GFO® FIBER PACKING

Life	72 weeks
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CASE HISTORY # 127

CONDITIONS

Industry Type	OIL
Equipment	PUMP
Packing	2 Rings 19 mm (3/4")
Shaft Size	128.2 mm (5")
Shaft Speed	N/A
Medium	OIL
Discharge Pressure	2.1 bar (30 psi)
Temperature	88°C (190°F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	6 weeks

GFO® FIBER PACKING

Life	18 weeks
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CASE HISTORY # 128

CONDITIONS

Industry Type	PAPER
Equipment	TANK
Packing	4 Rings 16 mm (5/8")
Shaft Size	115.4 mm (4-1/2")
Shaft Speed	3.0 m/s (500 RPM – 589 fmp)
Medium	STOCK (VISCOUS PAPER)
Discharge Pressure	N/A
Temperature	AMBIENT

PREVIOUS PACKING

Type	MECHANICAL SEAL
Life	6 weeks

GFO® FIBER PACKING

Life	32+ weeks
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CASE HISTORY # 129

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP
Packing	6 Rings 10 mm (3/8")
Shaft Size	48.1 mm (1-7/8")
Shaft Speed	4.4 m/s (1750 RPM – 859 fmp)
Medium	WATER
Discharge Pressure	4.1 bar (60 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	2 weeks

GFO® FIBER PACKING

Life	4+ weeks
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CASE HISTORY # 130

CONDITIONS

Industry Type	IRON-POWDERED METALS
Equipment	PUMP DURCO
Packing	6 Rings 10 mm (3/8")
Shaft Size	44.9 mm (1-3/4")
Shaft Speed	4.0 m/s (1700 RPM – 778 fmp)
Medium	OXIDE (IRON SLURRY)
Discharge Pressure	3.1 bar (45 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS
Life	2 weeks

GFO® FIBER PACKING

Life	12 weeks
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CASE HISTORY # 131

CONDITIONS

Industry Type	ASPHALT
Equipment	PUMP VIKING
Packing	5 Rings 13 mm (1/2")
Shaft Size	64.1 mm (2-1/2")
Shaft Speed	3.7 m/s (1125 RPM – 736 fmp)
Medium	OIL
Discharge Pressure	5.9 bar (85 psi)
Temperature	163°C (325°F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	4 weeks

GFO® FIBER PACKING

Life	20+ weeks
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CASE HISTORY # 132

CONDITIONS

Industry Type	PAPER
Equipment	PUMP PEERLESS
Packing	6 Rings 10 mm (3/8")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	4.5 m/s (2250 RPM – 883 fmp)
Medium	WATER/ GRIT/ ACID
Discharge Pressure	3.4 bar (50 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS
Life	4 weeks

GFO® FIBER PACKING

Life	20+ weeks
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CASE HISTORY # 133

CONDITIONS

Industry Type	OEM
Equipment	VALVE
Packing	3 Rings 10 mm (3/8")
Shaft Size	N/A
Shaft Speed	N/A
Medium	STEAM
Discharge Pressure	3.5 bar (50 psi)
Temperature	177 °C (350 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	

GFO® FIBER PACKING

Life	12+ weeks
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CASE HISTORY # 134

CONDITIONS

Industry Type	PAPER
Equipment	PUMP WALDEN
Packing	5 Rings 19 mm (3/4")
Shaft Size	128.2 mm (5")
Shaft Speed	5.3 m/s (800 RPM – 1047 fmp)
Medium	SODA ASH (CAUSTIC)
Discharge Pressure	4.1 bar (60 psi)
Temperature	93 °C (200 °F)

PREVIOUS PACKING

Type	ARAMID
Life	8 weeks

GFO® FIBER PACKING

Life	52 weeks
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CASE HISTORY # 135

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP INGERSOLL RAND
Packing	6 Rings 16 mm (5/8")
Shaft Size	109.0 mm (4-1/4")
Shaft Speed	10.1 m/s (1780 RPM – 1980 fmp)
Medium	WATER (ACID SLUICE)
Discharge Pressure	8.6 bar (125 psi)
Temperature	N/A

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	6 weeks

GFO® FIBER PACKING

Life	44 weeks
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CASE HISTORY # 136

CONDITIONS

Industry Type	PULP & PAPER
Equipment	KAMYR DIGESTOR (low pressure feeder)
Medium	SODIUM HYDROXIDE
Temperature	120 °C (248 °F)

PREVIOUS PACKING

Type	PTFE / GRAPHITE
Life	36 weeks

GFO® FIBER PACKING

Life	72 weeks
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CASE HISTORY # 137

CONDITIONS

Industry Type	PAPER
Equipment	PUMP GOULD
Packing	5 Rings 11 mm (7/16")
Shaft Size	51.3 mm (2")
Shaft Speed	3.3 m/s (1250 RPM – 654 fmp)
Medium	WATER (10% SOLUTION)
Discharge Pressure	4.1 bar (60 psi)
Temperature	32 °C (90 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	6 weeks

GFO® FIBER PACKING

Life	16+ weeks
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CASE HISTORY # 138

CONDITIONS

Industry Type	OFFICE BUILDING
Equipment	PUMP FAIRBANKS
Packing	6 Rings 10 mm (3/8")
Shaft Size	25.6 mm (1")
Shaft Speed	4.4 m/s (3300 RPM – 864 fmp)
Medium	WATER
Discharge Pressure	17.2 bar (250 psi)
Temperature	13 °C (55 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	3 weeks

GFO® FIBER PACKING

Life	28+ weeks
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CASE HISTORY # 139**CONDITIONS**

Industry Type	OIL
Equipment	PUMP ALDRIDGE
Packing	7 Rings 10 mm (3/8")
Shaft Size	89.7 mm (3-1/2")
Shaft Speed	1.4 m/s (300 RPM – 275 fmp)
Medium	WATER (OIL WELL – WASTEWATER)
Discharge Pressure	110.3 bar (1600 psi)
Temperature	27°C (80°F)

PREVIOUS PACKING

Type	JUTE
Life	4 weeks

GFO® FIBER PACKING

Life	12 weeks
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CASE HISTORY # 140**CONDITIONS**

Industry Type	PAPER
Equipment	PUMP GOULD
Packing	7 Rings 10 mm (3/8")
Shaft Size	44.9 mm (1-3/4")
Shaft Speed	4.1 m/s (1775 RPM – 813 fmp)
Medium	BLACK LIQUOR
Discharge Pressure	5.5 bar (80 psi)
Temperature	88°C (190°F)

PREVIOUS PACKING

Type	ARAMID
Life	8 weeks

GFO® FIBER PACKING

Life	52+ weeks
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CASE HISTORY # 141**CONDITIONS**

Industry Type	PAPER
Equipment	PUMP BALCO
Packing	4 Rings 10 mm (3/8")
Shaft Size	57.7 mm (2-1/4")
Shaft Speed	2.4 m/s (800 RPM – 471 fmp)
Medium	CHALK SLURRY
Discharge Pressure	3.5 bar (50 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	2 weeks

GFO® FIBER PACKING

Life	14 weeks
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CASE HISTORY # 142**CONDITIONS**

Industry Type	CHEMICAL
Equipment	PUMP SERLACHIUS
Packing	5 Rings 13 mm (1/2")
Shaft Size	64.1 mm (2-1/2")
Shaft Speed	4.8 m/s (1450 RPM – 949 fmp)
Medium	ACID
Discharge Pressure	3.1 bar (45 psi)
Temperature	80°C (176°F)

PREVIOUS PACKING

Type	ASBESTOS
Life	4 weeks

GFO® FIBER PACKING

Life	8 weeks
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CASE HISTORY # 143**CONDITIONS**

Industry Type	CONSTRUCTION
Equipment	PUMP ROTAN
Packing	5 Rings 8 mm (5/16")
Shaft Size	38.5 mm (2-1/2")
Shaft Speed	1.0 m/s (500 RPM – 196 fmp)
Medium	EMULSION (PLASTER)
Discharge Pressure	2.8 bar (40 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	PTFE
Life	3 weeks

GFO® FIBER PACKING

Life	5 weeks
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CASE HISTORY #144**CONDITIONS**

Industry Type	CHEMICAL
Equipment	SCREW CONVEYOR
Packing	5 Rings 10 mm (3/8")
Shaft Size	76.9 mm (3")
Shaft Speed	0.1 m/s (30 RPM – 24 fmp)
Medium	ACID POWDER (TEREPHTHALIC)
Discharge Pressure	0.8 bar (17 psi)
Temperature	140°C (284°F)

PREVIOUS PACKING

Type	ASBESTOS/PTFE
Life	6 weeks

GFO® FIBER PACKING

Life	12+ weeks
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CASE HISTORY # 145

CONDITIONS

Industry Type	ALUMINIUM
Equipment	PUMP ALLIS-CHALMERS
Packing	5 Rings 13 mm (1/2")
Shaft Size	57.7 mm (2-1/4")
Shaft Speed	2.9 m/s (960 RPM – 565 fmp)
Medium	HYDRATE SLURRY
Discharge Pressure	3.5 bar (50 psi)
Temperature	60°C (140°F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	1 week

GFO® FIBER PACKING

Life	3 weeks
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CASE HISTORY # 146

CONDITIONS

Industry Type	PAINT
Equipment	PUMP DOUGLAS
Packing	5 Rings 13 mm (1/2")
Shaft Size	64.1 mm (2-1/2")
Shaft Speed	0.3 m/s (80 RPM – 52 fmp)
Medium	ELECTROCOAT (CATHODIC)
Discharge Pressure	3.5 bar (50 psi)
Temperature	14°C (57°F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	24 weeks

GFO® FIBER PACKING

Life	40 weeks
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CASE HISTORY # 147

CONDITIONS

Industry Type	OIL
Equipment	PUMP
Packing	6 Rings 10 mm (3/8")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	2.9 m/s (1440 RPM – 565 fmp)
Medium	PETROLEUM
Discharge Pressure	N/A
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	8 weeks

GFO® FIBER PACKING

Life	16 weeks
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CASE HISTORY # 148

CONDITIONS

Industry Type	POTTERY
Equipment	PUMP MONO
Packing	6 Rings 10 mm (3/8")
Shaft Size	51.3 mm (2")
Shaft Speed	3.9 m/s (1450 RPM – 759 fmp)
Medium	CLAY SLURRY
Discharge Pressure	8.3 bar (120 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ARAMID
Life	8 weeks

GFO® FIBER PACKING

Life	20 weeks
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CASE HISTORY # 149

CONDITIONS

Industry Type	PULP & PAPER
Equipment	KAMYR DIGESTOR (bottom)
Medium	SODIUM HYDROXIDE
Temperature	120°C (248°F)

PREVIOUS PACKING

Type	PTFE / GRAPHITE
Life	36 weeks

GFO® FIBER PACKING

Life	72 weeks
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CASE HISTORY # 150

CONDITIONS

Industry Type	OIL
Equipment	PUMP DAWSON DOWNIE LAMONT
Packing	12 Rings 8 mm (5/16")
Shaft Size	41.7 mm (1-5/8")
Shaft Speed	1.0 m/s (193 fmp)
Medium	CONDENSATE / WATER
Discharge Pressure	99.4 bar (1440 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	PTFE
Life	18 weeks

GFO® FIBER PACKING

Life	53 weeks
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CASE HISTORY # 151**CONDITIONS**

Industry Type	CHEMICAL
Equipment	AGITATOR REACTOR
Packing	8 Rings 19 mm (3/4")
Shaft Size	185.9 mm (7-1/4")
Shaft Speed	0.0 m/s (3 RPM – 6 fmp)
Medium	ALKALI/ METHYL CHLORIDE (MIX)
Discharge Pressure	2.4 bar (35 psi)
Temperature	80 °C (176 °F)

PREVIOUS PACKING

Type	ASBESTOS/ PTFE
Life	52 weeks

GFO® FIBER PACKING

Life	104+ weeks
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CASE HISTORY # 152**CONDITIONS**

Industry Type	CHEMICAL
Equipment	PUMP LaBour
Packing	5 Rings 8 mm (5/16")
Shaft Size	25.6 mm (1")
Shaft Speed	4.0 m/s (3000 RPM – 785 fmp)
Medium	DISPERSING AGENT (ORGANIC)
Discharge Pressure	N/A
Temperature	10 °C (50 °F)

PREVIOUS PACKING

Type	ARAMID
Life	1 week

GFO® FIBER PACKING

Life	6 weeks
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CASE HISTORY # 153**CONDITIONS**

Industry Type	OIL
Equipment	PUMP DAWSON DOWNIE LAMONT
Packing	11 Rings 8 mm (5/16")
Shaft Size	70.5 mm (2-3/4")
Shaft Speed	0.0 m/s (75 RPM – 147 fmp)
Medium	CONDENSATE/ WATER
Discharge Pressure	99.3 bar (1440 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	PFTE
Life	12 weeks

GFO® FIBER PACKING

Life	24 weeks
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CASE HISTORY # 154**CONDITIONS**

Industry Type	CHEMICAL
Equipment	AGITATOR
Packing	6 Rings 16 mm (5/8")
Shaft Size	102.6 mm (4")
Shaft Speed	0.5 m/s (100 RPM – 105 fmp)
Medium	CHEMICAL MIXTURES
Discharge Pressure	5.5 bar (80 psi)
Temperature	120 °C (248 °F)

PREVIOUS PACKING

Type	ASBESTOS/ PTFE
Life	12 weeks

GFO® FIBER PACKING

Life	28 weeks
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CASE HISTORY # 155**CONDITIONS**

Industry Type	PAPER
Equipment	REFINER VOITH
Packing	4 Rings 16 mm (5/8")
Shaft Size	109.0 mm (4-1/4")
Shaft Speed	4.1 m/s (730 RPM – 812 fmp)
Medium	STOCK (PAPER)
Discharge Pressure	0.7 bar (10 psi)
Temperature	38 °C (100 °F)

PREVIOUS PACKING

Type	ASBESTOS/ GRAPHITE
Life	8 weeks

GFO® FIBER PACKING

Life	20+ weeks
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CASE HISTORY # 156**CONDITIONS**

Industry Type	PAPER
Equipment	PUMP SPROUT-WALDRON
Packing	5 Rings 19 mm (3/4")
Shaft Size	128.2 mm (5")
Shaft Speed	8.0 m/s (1200 RPM – 1570 fmp)
Medium	LIQUOR/ STOCK
Discharge Pressure	3.5 bar (50 psi)
Temperature	38 °C (100 °F)

PREVIOUS PACKING

Type	ASBESTOS/ PTFE
Life	1 week

GFO® FIBER PACKING

Life	28 weeks
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CASE HISTORY # 157

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP
Packing	5 Rings 10 mm (3/8")
Shaft Size	44.9 mm (1-3/4")
Shaft Speed	4.1 m/s (1750 RPM – 801 fmp)
Medium	SEWAGE
Discharge Pressure	4.1 bar (60 psi)
Temperature	66°C (150°F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	28 weeks

GFO® FIBER PACKING

Life	52+ weeks
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CASE HISTORY # 158

CONDITIONS

Industry Type	PAPER
Equipment	PUMP GOULD
Packing	5 Rings 10 mm (3/8")
Shaft Size	44.9 mm (1-3/4")
Shaft Speed	5.5 m/s (2350 RPM – 1076 fmp)
Medium	BLACK LIQUOR
Discharge Pressure	2.8 bar (40 psi)
Temperature	66°C (150°F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	2 weeks

GFO® FIBER PACKING

Life	44 weeks
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CASE HISTORY # 159

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP ALLEN GWYNNESS
Packing	5 Rings 13 mm (1/2")
Shaft Size	115.4 mm (4-1/2")
Shaft Speed	2.9 m/s (480 RPM – 565 fmp)
Medium	SODIUM DICHROMATE
Discharge Pressure	2.1 bar (30 psi)
Temperature	110°C (230°F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	12 weeks

GFO® FIBER PACKING

Life	18 weeks
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CASE HISTORY # 160

CONDITIONS

Industry Type	OIL
Equipment	PUMP PACIFIC
Packing	5 Rings 13 mm (1/2")
Shaft Size	53.1 mm (2")
Shaft Speed	7.8 m/s (2950 RPM – 1544 fmp)
Medium	WATER
Discharge Pressure	10.3 bar (150 psi)
Temperature	193°C (380°F)

PREVIOUS PACKING

Type	ASBESTOS / ARAMID
Life	1 week

GFO® FIBER PACKING

Life	3 weeks
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CASE HISTORY # 161

CONDITIONS

Industry Type	PULP & PAPER
Equipment	KAMYR DIGESTOR (high pressure feeder)
Medium	SODIUM HYDROXIDE
Temperature	120°C (248°F)

PREVIOUS PACKING

Type	PTFE/GRAPHITE
Life	36 weeks

GFO® FIBER PACKING

Life	72 weeks
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CASE HISTORY # 162

CONDITIONS

Industry Type	STEEL
Equipment	PUMP WORTHINGTON
Packing	5 Rings 13 mm (1/2")
Shaft Size	51.3 mm (2")
Shaft Speed	3.9 m/s (1450 RPM – 759 fmp)
Medium	EFFLUENT
Discharge Pressure	2.1 bar (30 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	4 weeks

GFO® FIBER PACKING

Life	16+ weeks
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CASE HISTORY # 163

CONDITIONS

Industry Type	PAPER
Equipment	PUMP VACSEAL
Packing	5 Rings 10 mm (3/8")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	1.5 m/s (750 RPM – 294 fmp)
Medium	SLURRY (ABRASIVE)
Discharge Pressure	2.1 bar (30 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / ARAMID
Life	8 weeks

GFO® FIBER PACKING

Life	12+ weeks
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CASE HISTORY # 164

CONDITIONS

Industry Type	CHEMICAL
Equipment	DRYER AND VALVES VENULETH
Packing	N/A
Shaft Size	0.0 mm (1-1/2")
Shaft Speed	N/A
Medium	DYESTUFF/ STEAM
Discharge Pressure	1.4 bar (20 psi)
Temperature	N/A

PREVIOUS PACKING

Type	ASBESTOS
Life	2 weeks

GFO® FIBER PACKING

Life	12+ weeks
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CASE HISTORY # 165

CONDITIONS

Industry Type	STEEL
Equipment	PUMP DRYSDALE
Packing	5 Rings 13 mm (1/2")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	2.9 m/s (1440 RPM – 565 fmp)
Medium	OIL
Discharge Pressure	2.1 bar (30 psi)
Temperature	60°C (140°F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	8 weeks

GFO® FIBER PACKING

Life	16+ weeks
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CASE HISTORY # 166

CONDITIONS

Industry Type	CHEMICAL
Equipment	VESSEL REACTOR
Packing	8 Rings 16 mm (5/8")
Shaft Size	102.6 mm (4")
Shaft Speed	0.3 m/s (60 RPM – 63 fmp)
Medium	CHEMICAL MIXTURES
Discharge Pressure	2.8 bar (40 psi)
Temperature	100°C (212°F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	16 weeks

GFO® FIBER PACKING

Life	20+ weeks
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CASE HISTORY # 167

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP
Packing	5 Rings 10 mm (3/8")
Shaft Size	51.3 mm (2-3/8")
Shaft Speed	3.8 m/s (1440 RPM – 754 fmp)
Medium	CAUSTIC SOLUTION (PH 12-14)
Discharge Pressure	4.1 bar (60 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ARAMID
Life	1 week

GFO® FIBER PACKING

Life	16+ weeks
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CASE HISTORY # 168

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP GORMANN-RUPP
Packing	4 Rings 8 mm (5/16")
Shaft Size	76.9 mm (3")
Shaft Speed	5.7 m/s (1440 RPM – 1130 fmp)
Medium	CHLOROSULPHONIC ACID (99%)
Discharge Pressure	0.7 bar (10 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS
Life	1 week

GFO® FIBER PACKING

Life	6+ weeks
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CASE HISTORY # 169

CONDITIONS

Industry Type	PAPER
Equipment	PUMP
Packing	4 Rings 10 mm (3/8")
Shaft Size	32.1 mm (1-1/4")
Shaft Speed	2.4 m/s (1450 RPM – 474 fmp)
Medium	STARCH SODIUM
Discharge Pressure	1.4 bar (20 psi)
Temperature	90°C (194°F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	1 week

GFO® FIBER PACKING

Life	5 weeks
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CASE HISTORY # 170

CONDITIONS

Industry Type	CHEMICAL
Equipment	AGITATOR
Packing	6 Rings 10 mm (3/8")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	2.0 m/s (320 RPM – 126 fmp)
Medium	CHEMICAL REACTIONS
Discharge Pressure	1.7 bar (25 psi)
Temperature	138°C (280°F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	4 weeks

GFO® FIBER PACKING

Life	16+ weeks
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CASE HISTORY # 171

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP GEC
Packing	5 Rings 16 mm (5/8")
Shaft Size	76.9 mm (3")
Shaft Speed	4.0 m/s (900 RPM – 71 fmp)
Medium	PHOSPHORIC ACID
Discharge Pressure	2.1 bar (30 psi)
Temperature	60°C (140°F)

PREVIOUS PACKING

Type	PTFE
Life	12 weeks

GFO® FIBER PACKING

Life	24 weeks
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CASE HISTORY # 172

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP
Packing	5 Rings 10 mm (3/8")
Shaft Size	51.3 mm (2")
Shaft Speed	1.0 m/s (360 RPM – 188 fmp)
Medium	PHOSPHORIC ACID
Discharge Pressure	2.1 bar (30 psi)
Temperature	40°C (104°F)

PREVIOUS PACKING

Type	PTFE
Life	5 weeks

GFO® FIBER PACKING

Life	10+ weeks
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CASE HISTORY # 173

CONDITIONS

Industry Type	OIL
Equipment	PUMP MISSION
Packing	5 Rings 10 mm (3/8")
Shaft Size	28.8 mm (1-1/8")
Shaft Speed	4.5 m/s (3000 RPM – 883 fmp)
Medium	WATER (CHEMICALLY TREATED)
Discharge Pressure	3.1 bar (45 psi)
Temperature	50°C (12°F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	12 weeks

GFO® FIBER PACKING

Life	40+ weeks
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CASE HISTORY # 174

CONDITIONS

Industry Type	PAINT
Equipment	PUMP GOULD
Packing	10 mm (3/8")
Shaft Size	44.9 mm (1-3/4")
Shaft Speed	4.2 m/s (1800 RPM – 824 fmp)
Medium	SOLVENT (ORGANIC & PIGMENT)
Discharge Pressure	2.1 bar (30 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	1 week

GFO® FIBER PACKING

Life	12 weeks
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CASE HISTORY # 175

CONDITIONS

Industry Type	MARINE
Equipment	PUMP KINNEY-HELIQUAD
Packing	7 Rings 19 mm (3/4")
Shaft Size	126.6 mm (4-15/16")
Shaft Speed	1.1 m/s (170 RPM – 220 fmp)
Medium	CHEMICALS
Discharge Pressure	15.5 bar (225 psi)
Temperature	49°C (120°F)

PREVIOUS PACKING

Type	CARBON
Life	8 weeks

GFO® FIBER PACKING

Life	12 weeks
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CASE HISTORY # 176

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP GOULD
Packing	5 Rings 10 mm (3/8")
Shaft Size	36.9 mm (1-7/8")
Shaft Speed	3.3 m/s (1750 RPM – 658 fmp)
Medium	CAUSTIC SODA SOLUTION
Discharge Pressure	2.8 bar (40 psi)
Temperature	38°C (100°F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	1 week

GFO® FIBER PACKING

Life	36+ weeks
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CASE HISTORY # 177

CONDITIONS

Industry Type	COPPER
Equipment	TURBINE ALLIS-CHALMERS
Packing	7 Rings 10 mm (3/8")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	3.5 m/s (1750 RPM – 687 fmp)
Medium	ACID
Discharge Pressure	12.4 bar (180 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ARAMID
Life	8 weeks

GFO® FIBER PACKING

Life	16 weeks
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CASE HISTORY # 178

CONDITIONS

Industry Type	CONSTRUCTION
Equipment	PUMP GRUMBLERS
Packing	1 Rings 10 mm (3/8")
Shaft Size	49.7 mm (1-15/16")
Shaft Speed	1.0 m/s (400 RPM – 203 fmp)
Medium	FLY ASH
Discharge Pressure	N/A
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	1 week

GFO® FIBER PACKING

Life	2 weeks
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CASE HISTORY # 179

CONDITIONS

Industry Type	PAINT
Equipment	PUMP GOULD
Packing	6 Rings 10 mm (3/8")
Shaft Size	41.7 mm (1-5/8")
Shaft Speed	N/A
Medium	DETERGENT
Discharge Pressure	13.8 bar (200 psi)
Temperature	93°C (200°F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	6 weeks

GFO® FIBER PACKING

Life	16 weeks
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CASE HISTORY # 180

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP WORTHINGTON
Packing	5 Rings 8 mm (5/16")
Shaft Size	32.1 mm (1-1/4")
Shaft Speed	N/A
Medium	SULFURIC ACID
Discharge Pressure	N/A
Temperature	N/A

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	1 week

GFO® FIBER PACKING

Life	8 weeks
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CASE HISTORY # 181

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP GASO
Packing	5 Rings 6 mm (1/4")
Shaft Size	51.3 mm (2")
Shaft Speed	1.0 m/s (390 RPM – 204 fmp)
Medium	ACID (WASTE HYDROCHLORIC)
Discharge Pressure	50.0 bar (725 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	8 weeks

GFO® FIBER PACKING

Life	20 weeks
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CASE HISTORY # 182

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP ECO
Packing	5 Rings 10 mm (3/8")
Shaft Size	25.6 mm (1")
Shaft Speed	1.3 m/s (200 RPM – 52 fmp)
Medium	ACID (CONCENTRATED)
Discharge Pressure	N/A
Temperature	75°C (167°F)

PREVIOUS PACKING

Type	PTFE
Life	4 weeks

GFO® FIBER PACKING

Life	8 weeks
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CASE HISTORY # 183

CONDITIONS

Industry Type	PAPER
Equipment	PUMP GOULD
Packing	5 Rings 13 mm (1/2")
Shaft Size	64.1 mm (2-1/2")
Shaft Speed	6.0 m/s (1800 RPM – 1178 fmp)
Medium	WATER (HARD/ CORROSIVE)
Discharge Pressure	4.1 bar (60 psi)
Temperature	66°C (150°F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	8 weeks

GFO® FIBER PACKING

Life	20+ weeks
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CASE HISTORY # 184

CONDITIONS

Industry Type	PAPER
Equipment	PUMP on DEFIBRATOR DIGESTER
Packing	5 Rings 16 mm (5/8")
Shaft Size	88.1 mm (3-7/16")
Shaft Speed	4.6 m/s (190 RPM – 899 fmp)
Medium	WOOD CHIPS/ SATURATED STEAM
Discharge Pressure	6.9 bar (100 psi)
Temperature	N/A

PREVIOUS PACKING

Type	ASBESTOS
Life	4 weeks

GFO® FIBER PACKING

Life	9+ weeks
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CASE HISTORY # 185

CONDITIONS

Industry Type	DISTILLATION
Equipment	PUMP FAIRBANKS
Packing	4 Rings
Shaft Size	19.2 mm (3/4")
Shaft Speed	1.7 m/s (1750 RPM – 343 fmp)
Medium	WATER (SALT/ FRESH)
Discharge Pressure	3.1 bar (45 psi)
Temperature	110°C (230°F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	3 weeks

GFO® FIBER PACKING

Life	36 weeks
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CASE HISTORY # 186

CONDITIONS

Industry Type	FUEL
Equipment	PUMP AURORA
Packing	8 Rings 8 mm (5/16")
Shaft Size	48.1 mm (1- 7/8")
Shaft Speed	4.2 m/s (1700 RPM – 834 fmp)
Medium	WATER
Discharge Pressure	8.6 bar (125 psi)
Temperature	93°C (200°F)

PREVIOUS PACKING

Type	GRAPHITE
Life	4 weeks

GFO® FIBER PACKING

Life	24+ weeks
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CASE HISTORY # 187

CONDITIONS

Industry Type	TEXTILE
Equipment	PUMP DEMING
Packing	5 Rings 8 mm (5/16")
Shaft Size	N/A
Shaft Speed	N/A
Medium	WATER
Discharge Pressure	8.3 bar (120 psi)
Temperature	32 °C (90 °F)

PREVIOUS PACKING

Type	CARBON
Life	24 weeks

GFO® FIBER PACKING

Life	24+ weeks
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CASE HISTORY # 188

CONDITIONS

Industry Type	ADHESIVE
Equipment	MIXER STRONGS-SCOTT
Packing	8 Rings 13 mm (1/2")
Shaft Size	96.2 mm (3-3/4")
Shaft Speed	0.2 m/s (40 RPM – 39 fmp)
Medium	ADHESIVE (TOLUENE, ETC.)
Discharge Pressure	N/A
Temperature	54 °C (130 °F)

PREVIOUS PACKING

Type	GRAPHITE
Life	8 weeks

GFO® FIBER PACKING

Life	28+ weeks
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CASE HISTORY # 189

CONDITIONS

Industry Type	TEXTILE
Equipment	BLENDER
Packing	5 Rings 8 mm (5/16")
Shaft Size	51.3 mm (2")
Shaft Speed	2.7 m/s (999 RPM – 523 fmp)
Medium	RUBBER
Discharge Pressure	0.7 bar (10 psi)
Temperature	24 °C (75 °F)

PREVIOUS PACKING

Type	CARBON
Life	4 weeks

GFO® FIBER PACKING

Life	16 weeks
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CASE HISTORY # 190

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP MISSION
Packing	6 Rings 10 mm (3/8")
Shaft Size	48.1 mm (1-7/8")
Shaft Speed	4.4 m/s (1750 RPM – 859 fmp)
Medium	WATER (W/SODIUM SILICATE)
Discharge Pressure	9.7 bar (140 psi)
Temperature	149 °C (300 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	12 weeks

GFO® FIBER PACKING

Life	16 weeks
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CASE HISTORY # 191

CONDITIONS

Industry Type	UTILITIES
Equipment	TURBINE JOHNSON
Packing	6 Rings 13 mm (1/2")
Shaft Size	68.9 mm (2-11/16")
Shaft Speed	4.3 m/s (1200 RPM – 844 fmp)
Medium	WATER
Discharge Pressure	3.5 bar (50 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	40 weeks

GFO® FIBER PACKING

Life	64+ weeks
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CASE HISTORY # 192

CONDITIONS

Industry Type	ASPHALT
Equipment	PUMP VIKING
Packing	10 Rings 13 mm (1/2")
Shaft Size	62.5 mm (2-7/16")
Shaft Speed	3.2 m/s (280 RPM – 637 fmp)
Medium	ASPHALT
Discharge Pressure	6.2 bar (90 psi)
Temperature	232 °C (450 °F)

PREVIOUS PACKING

Type	ACRYLIC
Life	12 weeks

GFO® FIBER PACKING

Life	20 weeks
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CASE HISTORY # 193

CONDITIONS

Industry Type	ROOFING
Equipment	PUMP VIKING
Packing	9 Rings 13 mm (1/2")
Shaft Size	62.5 mm (2-7/16")
Shaft Speed	0.9 m/s (280 RPM – 179 fmp)
Medium	ASPHALT W/ FILLER
Discharge Pressure	N/A
Temperature	232 °C (450 °F)

PREVIOUS PACKING

Type	PTFE
Life	2 weeks

GFO® FIBER PACKING

Life	8 weeks
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CASE HISTORY # 194

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP
Packing	8 Rings 11 mm (7/16")
Shaft Size	N/A
Shaft Speed	N/A
Medium	NAPHTHA
Discharge Pressure	24.1 bar (350 psi)
Temperature	N/A

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	24 weeks

GFO® FIBER PACKING

Life	52 weeks
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CASE HISTORY # 195

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP GALIGHIER
Packing	6 Rings 19 mm (3/4")
Shaft Size	126.6 mm (4-15/16")
Shaft Speed	4.6 m/s (700 RPM – 904 fmp)
Medium	ROCK SLURRY (PHOSPHORIC)
Discharge Pressure	N/A
Temperature	AMBIENT

PREVIOUS PACKING

Type	PTFE
Life	1 week

GFO® FIBER PACKING

Life	16+ weeks
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CASE HISTORY # 196

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP LIGHTNING MIXER
Packing	6 Rings 10 mm (3/8")
Shaft Size	19.2 mm (3/4")
Shaft Speed	N/A
Medium	OIL
Discharge Pressure	N/A
Temperature	204 °C (400 °F)

PREVIOUS PACKING

Type	PTFE
Life	1 week

GFO® FIBER PACKING

Life	9 weeks
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CASE HISTORY # 197

CONDITIONS

Industry Type	FELT MILL
Equipment	PUMP GOULD
Packing	5 Rings 13 mm (1/2")
Shaft Size	44.9 mm (1-3/4")
Shaft Speed	4.1 m/s (1750 RPM – 801 fmp)
Medium	WATER
Discharge Pressure	N/A
Temperature	66 °C (150 °F)

PREVIOUS PACKING

Type	GRAPHITE
Life	6 weeks

GFO® FIBER PACKING

Life	8 weeks
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CASE HISTORY # 198

CONDITIONS

Industry Type	COAL & PROC. MINE
Equipment	PUMP GTW CENTRIFUGAL
Packing	5 Rings 19 mm (3/4")
Shaft Size	139.4 mm (5-7/16")
Shaft Speed	3.6 m/s (500 RPM – 711 fpm)
Medium	COAL & WATER SLURRY
Discharge Pressure	13.8 bar (200 psi)
Temperature	N/A

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	4 weeks

GFO® FIBER PACKING

Life	8 weeks
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CASE HISTORY # 199

CONDITIONS

Industry Type	PAPER
Equipment	PULPER BLACK CLAWSON
Packing	7 Rings 19 mm (3/4")
Shaft Size	230.8 mm (9")
Shaft Speed	4.8 m/s (400 RPM – 942 fmp)
Medium	PAPER STOCK
Discharge Pressure	N/A
Temperature	54 °C (130 °F)

PREVIOUS PACKING

Type	CARBON
Life	3 weeks

GFO® FIBER PACKING

Life	16 weeks
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CASE HISTORY # 200

CONDITIONS

Industry Type	ASPHALT
Equipment	PUMP VIKING
Packing	9 Rings 10 mm (3/8")
Shaft Size	49.7 mm (1-15/16")
Shaft Speed	2.6 m/s (1000 RPM – 507 fmp)
Medium	ASPHALT
Discharge Pressure	N/A
Temperature	166 °C (330 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	1 week

GFO® FIBER PACKING

Life	8 weeks
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CASE HISTORY # 201

CONDITIONS

Industry Type	CONSTRUCTION
Equipment	AGITATOR
Packing	13 mm (1/2")
Shaft Size	51.3 mm (2")
Shaft Speed	0.2 m/s (60 RPM – 31 fmp)
Medium	LIME (CALCIUM HYDROXIDE) SLURRY
Discharge Pressure	N/A
Temperature	88 °C (190 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	8 weeks

GFO® FIBER PACKING

Life	24 weeks
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CASE HISTORY # 202

CONDITIONS

Industry Type	PAPER
Equipment	PUMP WARREN
Packing	6 Rings 13 mm (1/2")
Shaft Size	72.1 mm (2-13/16")
Shaft Speed	11.2 m/s (3000 RPM – 2208 fmp)
Medium	STOCK PULP
Discharge Pressure	N/A
Temperature	82 °C (180 °F)

PREVIOUS PACKING

Type	GRAPHITE
Life	4 weeks

GFO® FIBER PACKING

Life	10 weeks
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CASE HISTORY # 203

CONDITIONS

Industry Type	PAPER
Equipment	DEFIBRATOR SUNDS
Packing	5 Rings 19 mm (3/4")
Shaft Size	224.4 mm (8-3/4")
Shaft Speed	20.4 m/s (1750 RPM – 4007 fmp)
Medium	WOOD CHIPS AND STEAM
Discharge Pressure	12.4 bar (180 psi)
Temperature	93 °C (200 °F)

PREVIOUS PACKING

Type	ARAMID
Life	2 weeks

GFO® FIBER PACKING

Life	3 weeks
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CASE HISTORY # 204

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP WARREN
Packing	5 Rings 22 mm (7/8")
Shaft Size	22.4 mm (7/8")
Shaft Speed	N/A
Medium	FUEL OIL (#6)
Discharge Pressure	19.0 bar (275 psi)
Temperature	104 °C (220 °F)

PREVIOUS PACKING

Type	PTFE
Life	8 weeks

GFO® FIBER PACKING

Life	38 weeks
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CASE HISTORY # 205

CONDITIONS

Industry Type	LUMBER MANUFACTURER
Equipment	AIR CYLINDER
Packing	5 Rings 14 mm (9/16")
Shaft Size	76.9 mm (3")
Shaft Speed	N/A
Medium	N/A
Discharge Pressure	8.3 bar (120 psi)
Temperature	N/A

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	24 weeks

GFO® FIBER PACKING

Life	36 weeks
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CASE HISTORY # 206

CONDITIONS

Industry Type	PAPER
Equipment	PUMP
Packing	5 Rings 8 mm (5/16")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	3.5 m/s (1750 RPM – 687 fmp)
Medium	BLACK LIQUOR
Discharge Pressure	2.8 bar (40 psi)
Temperature	66°C (150 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	4 weeks

GFO® FIBER PACKING

Life	8 weeks
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CASE HISTORY # 207

CONDITIONS

Industry Type	PAPER
Equipment	REFINER JONES
Packing	5 Rings 13 mm (1/2")
Shaft Size	N/A
Shaft Speed	N/A
Medium	STOCK – 6% COATED STARCHES
Discharge Pressure	6.9 bar (100 psi)
Temperature	N/A

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	4 weeks

GFO® FIBER PACKING

Life	10 weeks
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CASE HISTORY # 208

CONDITIONS

Industry Type	SEWAGE
Equipment	PUMP ALLEN-SHERMAN-HOFF
Packing	6 Rings 16 mm (5/8")
Shaft Size	75.3 mm (2-15/16")
Shaft Speed	6.6 m/s (1680 RPM – 1291 fmp)
Medium	ASH SLURRY
Discharge Pressure	1.7 bar (25 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	4 weeks

GFO® FIBER PACKING

Life	12 weeks
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CASE HISTORY # 209

CONDITIONS

Industry Type	SEWAGE
Equipment	PUMP WORTHINGTON
Packing	16 mm (5/8")
Shaft Size	102.6 mm (4")
Shaft Speed	3.1 m/s (590 RPM – 681 fmp)
Medium	WASTE SLUDGE
Discharge Pressure	0.9 bar (13 psi)
Temperature	27°C (80 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	12 weeks

GFO® FIBER PACKING

Life	20 weeks
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CASE HISTORY # 210

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP TW210
Packing	12 Rings 10 mm (3/8")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	7.0 m/s (3500 RPM – 1374 fmp)
Medium	WATER
Discharge Pressure	19.3 bar (280 psi)
Temperature	116°C (240 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	2 weeks

GFO® FIBER PACKING

Life	29 weeks
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CASE HISTORY # 211

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP WORTHINGTON
Packing	8 mm (5/16")
Shaft Size	32.1 mm (1-1/4")
Shaft Speed	2.9 m/s (1750 RPM – 572 fmp)
Medium	IRON OXID SLURRY
Discharge Pressure	4.1 bar (60 psi)
Temperature	76°C (168°F)

PREVIOUS PACKING

Type	CARBON
Life	1 week

GFO® FIBER PACKING

Life	11 weeks
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CASE HISTORY # 212

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP GOULD
Packing	6 Rings 6 mm (1/4")
Shaft Size	22.4 mm (7/8")
Shaft Speed	4.2 m/s (3600 RPM – 824 fmp)
Medium	TOLUENE
Discharge Pressure	N/A
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	2 weeks

GFO® FIBER PACKING

Life	10 weeks
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CASE HISTORY # 213

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP GOULD
Packing	8 mm (5/16")
Shaft Size	35.3 mm (1-3/8")
Shaft Speed	3.1 m/s (1700 RPM – 612 fmp)
Medium	WATER
Discharge Pressure	20.7 bar (300 psi)
Temperature	93°C (200°F)

PREVIOUS PACKING

Type	GRAPHITE
Life	1 week

GFO® FIBER PACKING

Life	13 weeks
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CASE HISTORY # 214

CONDITIONS

Industry Type	CHEMICAL
Equipment	VESSEL
Packing	5 Rings 16 mm (5/8")
Shaft Size	161.5 mm (6-19/64")
Shaft Speed	0.2 m/s (26 RPM – 43 fmp)
Medium	VINYLAL – ACETALDEHYDE STEAM
Discharge Pressure	1.0 bar (15 psi)
Temperature	150°C (302°F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	4 weeks

GFO® FIBER PACKING

Life	12 weeks
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CASE HISTORY # 215

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP LOEWE
Packing	4 Rings 8 mm (5/16")
Shaft Size	25.6 mm (1")
Shaft Speed	1.9 m/s (1450 RPM – 379 fmp)
Medium	WATER
Discharge Pressure	3.0 bar (44 psi)
Temperature	110°C (230°F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	12 weeks

GFO® FIBER PACKING

Life	25 weeks
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CASE HISTORY # 216

CONDITIONS

Industry Type	PAPER
Equipment	PUMP SIHI
Packing	5 Rings 10 mm (3/8")
Shaft Size	30.4 mm (1-3/16")
Shaft Speed	2.3 m/s (1450 RPM – 451 fmp)
Medium	CONDENSATE
Discharge Pressure	3.0 bar (43 psi)
Temperature	90°C (194°F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	8 weeks

GFO® FIBER PACKING

Life	60+ weeks
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CASE HISTORY # 217

CONDITIONS

Industry Type	OIL
Equipment	PUMP PLENTY 1013 PA
Packing	5 Rings 26 mm (1")
Shaft Size	131.4 mm (5-1/8")
Shaft Speed	9.9 m/s (1450 RPM – 1945 fmp)
Medium	TAR
Discharge Pressure	6.0 bar (87 psi)
Temperature	200 °C (392 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	12 weeks

GFO® FIBER PACKING

Life	41 weeks
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CASE HISTORY # 218

CONDITIONS

Industry Type	FURNACE OEM MFG
Equipment	PUMP
Packing	1 Ring 13 mm (1/2")
Shaft Size	40.5 mm (1-37/64")
Shaft Speed	6.1 m/s (2900 RPM – 1198 fmp)
Medium	STEAM
Discharge Pressure	1.2 bar (17 psi)
Temperature	100 °C (212 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	48 weeks

GFO® FIBER PACKING

Life	60+ weeks
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CASE HISTORY # 219

CONDITIONS

Industry Type	PAPER
Equipment	PUMP VOITH
Packing	3 Rings 16 mm (5/8")
Shaft Size	102.6 mm (4")
Shaft Speed	1.5 m/s (275 RPM – 288 fmp)
Medium	WATER/ ACID
Discharge Pressure	1.0 bar (15 psi)
Temperature	90 °C (194 °F)

PREVIOUS PACKING

Type	RAMIE/ PTFE
Life	12 weeks

GFO® FIBER PACKING

Life	60+ weeks
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CASE HISTORY # 220

CONDITIONS

Industry Type	PAPER
Equipment	PUMP SIHI
Packing	3 Rings 6 mm (1/4")
Shaft Size	19.2 mm (3/4")
Shaft Speed	1.5 m/s (1500 RPM – 294 fmp)
Medium	WATER
Discharge Pressure	1.0 bar (15 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	PTFE
Life	16 weeks

GFO® FIBER PACKING

Life	52+ weeks
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CASE HISTORY # 221

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP BOHLING
Packing	4 Rings 8 mm (5/16")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	2.8 m/s (1400 RPM – 550 fmp)
Medium	CLEANING SOLUTION (CAUSTIC)
Discharge Pressure	2.0 bar (29 psi)
Temperature	85 °C (185 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	1 week

GFO® FIBER PACKING

Life	3 weeks
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CASE HISTORY # 222

CONDITIONS

Industry Type	OIL
Equipment	PUMP RUHR
Packing	10 Rings 8 mm (5/16")
Shaft Size	56.1 mm (2-3/16")
Shaft Speed	0.4 m/s (128 RPM – 73 fmp)
Medium	WATER
Discharge Pressure	12.0 bar (174 psi)
Temperature	30 °C (86 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	24 weeks

GFO® FIBER PACKING

Life	36 weeks
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CASE HISTORY # 223

CONDITIONS

Industry Type	PAPER
Equipment	PUMP SERLACHIUS
Packing	13 mm (1/2")
Shaft Size	62.5 mm (2-7/16")
Shaft Speed	4.8 m/s (1480 RPM – 944 fmp)
Medium	WASTE STOCK SLURRY
Discharge Pressure	4.0 bar (58 psi)
Temperature	40 °C (104 °F)

PREVIOUS PACKING

Type	RAMIE/ PTFE
Life	12 weeks

GFO® FIBER PACKING

Life	61 weeks
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CASE HISTORY # 224

CONDITIONS

Industry Type	PAPER
Equipment	PUMP VOITH
Packing	5 Rings 13 mm (1/2")
Shaft Size	62.5 mm (2-7/16")
Shaft Speed	4.7 m/s (1450 RPM – 925 fmp)
Medium	WATER AND ACID
Discharge Pressure	4.0 bar (58 psi)
Temperature	40 °C (104 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	12 weeks

GFO® FIBER PACKING

Life	60+ weeks
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CASE HISTORY # 225

CONDITIONS

Industry Type	PAPER
Equipment	PUMP SIHI
Packing	5 Rings 10 mm (3/8")
Shaft Size	30.4 mm (1-3/16")
Shaft Speed	2.3 m/s (1450 RPM – 451 fmp)
Medium	CONDENSATE
Discharge Pressure	3.0 bar (44 psi)
Temperature	91 °C (195 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	8 weeks

GFO® FIBER PACKING

Life	60+ weeks
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CASE HISTORY # 226

CONDITIONS

Industry Type	PAPER
Equipment	PUMP VOITH
Packing	3 Rings 14 mm (9/16")
Shaft Size	101.0 mm (3-15/16")
Shaft Speed	1.4 m/s (275 RPM – 283 fmp)
Medium	SLURRY
Discharge Pressure	2.5 bar (36 psi)
Temperature	68 °C (155 °F)

PREVIOUS PACKING

Type	RAMIE/ PTFE
Life	12 weeks

GFO® FIBER PACKING

Life	61 weeks
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CASE HISTORY # 227

CONDITIONS

Industry Type	PAPER
Equipment	PUMP SERLACHIUS
Packing	4 Rings 13 mm (1/2")
Shaft Size	62.5 mm (2-7/16")
Shaft Speed	4.8 m/s (1480 RPM – 944 fmp)
Medium	WASTE STOCK SLURRY
Discharge Pressure	4.0 bar (58 psi)
Temperature	35 °C (95 °F)

PREVIOUS PACKING

Type	RAMIE/ PTFE
Life	12 weeks

GFO® FIBER PACKING

Life	64+ weeks
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CASE HISTORY # 228

CONDITIONS

Industry Type	PAPER
Equipment	PUMP VOITH
Packing	5 Rings 13 mm (1/2")
Shaft Size	62.5 mm (2-7/16")
Shaft Speed	4.7 m/s (1450 RPM – 925 fmp)
Medium	WATER AND ACID
Discharge Pressure	4.0 bar (58 psi)
Temperature	38 °C (100 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	12 weeks

GFO® FIBER PACKING

Life	64+ weeks
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CASE HISTORY # 229

CONDITIONS

Industry Type	PAPER
Equipment	PUMP SIHI
Packing	3 Rings 6 mm (1/4")
Shaft Size	19.2 mm (3/4")
Shaft Speed	1.5 m/s (1500 RPM – 294 fmp)
Medium	WATER
Discharge Pressure	1.0 bar (14 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	PTFE/ LUBRICANT
Life	16 weeks

GFO® FIBER PACKING

Life	60+ weeks
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CASE HISTORY # 230

CONDITIONS

Industry Type	MANUFACTURER
Equipment	PUMP ROPER
Packing	5 Rings 8 mm (5/16")
Shaft Size	25.6 mm (1")
Shaft Speed	N/A
Medium	POLYETHYLENE RESIN
Discharge Pressure	N/A
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	2 weeks

GFO® FIBER PACKING

Life	28 weeks
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CASE HISTORY # 231

CONDITIONS

Industry Type	PAPER
Equipment	PUMP BINGHAM
Packing	13 mm (1/2")
Shaft Size	57.7 mm (2-1/4")
Shaft Speed	2.7 m/s (900 RPM – 530 fmp)
Medium	WHITE LIQUOR
Discharge Pressure	20.0 bar (290 psi)
Temperature	71 °C (160 °F)

PREVIOUS PACKING

Type	CARBON
Life	2 weeks

GFO® FIBER PACKING

Life	28+ weeks
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CASE HISTORY # 232

CONDITIONS

Industry Type	VALVE MANUFACTURER
Equipment	VALVE GATE
Packing	5 mm (3/16")
Shaft Size	19.2 mm (3/4")
Shaft Speed	3.6 m/s (3600 RPM – 706 fmp)
Medium	EFFLUENT
Discharge Pressure	N/A
Temperature	93 °C (200 °F)

PREVIOUS PACKING

Type	GRAPHITE
Life	24 weeks

GFO® FIBER PACKING

Life	28+ weeks
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CASE HISTORY # 233

CONDITIONS

Industry Type	MANUFACTURER
Equipment	PUMP INGERSOLL RAND
Packing	10 mm (3/8")
Shaft Size	32.1 mm (1-1/4")
Shaft Speed	5.9 m/s (3550 RPM – 1161 fmp)
Medium	WATER
Discharge Pressure	27.6 bar (400 psi)
Temperature	149 °C (300 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	12 weeks

GFO® FIBER PACKING

Life	40+ weeks
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CASE HISTORY # 234

CONDITIONS

Industry Type	PUMP SERVICE
Equipment	PUMP WORTHINGTON
Packing	13 mm (1/2")
Shaft Size	44.9 mm (1-3/4")
Shaft Speed	8.1 m/s (3500 RPM – 1603 fmp)
Medium	WATER (RECYCLED)
Discharge Pressure	9.0 bar (130 psi)
Temperature	66 °C (150 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	4 weeks

GFO® FIBER PACKING

Life	16+ weeks
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CASE HISTORY # 235

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP VIKING
Packing	10 mm (3/8")
Shaft Size	36.9 mm (1-7/16")
Shaft Speed	N/A
Medium	CALCIUM
Discharge Pressure	3.1 bar (45 psi)
Temperature	66°C (150°F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	16 weeks

GFO® FIBER PACKING

Life	20 weeks
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CASE HISTORY # 236

CONDITIONS

Industry Type	SEWAGE
Equipment	PUMP
Packing	16 mm (5/8")
Shaft Size	67.3 mm (2-5/8")
Shaft Speed	5.6 m/s (1600 RPM – 1099 fmp)
Medium	SEWAGE
Discharge Pressure	N/A
Temperature	20°C (68°F)

PREVIOUS PACKING

Type	INJECTABLE PACKING
Life	6 weeks

GFO® FIBER PACKING

Life	36 weeks
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CASE HISTORY # 237

CONDITIONS

Industry Type	CHEMICAL
Equipment	AGITATOR
Packing	16 mm (5/8")
Shaft Size	89.7 mm (3-1/2")
Shaft Speed	N/A
Medium	ACID (FATTY)
Discharge Pressure	8.3 bar (120 psi)
Temperature	243°C (470°F)

PREVIOUS PACKING

Type	PTFE
Life	1 week

GFO® FIBER PACKING

Life	22 weeks
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CASE HISTORY # 238

CONDITIONS

Industry Type	SEWAGE
Equipment	PUMP WORTHINGTON
Packing	13 mm (1/2")
Shaft Size	141.0 mm (5-1/2")
Shaft Speed	5.1 m/s (700 RPM – 1007 fmp)
Medium	SEWAGE
Discharge Pressure	1.4 bar (20 psi)
Temperature	16°C (60°F)

PREVIOUS PACKING

Type	PTFE
Life	24 weeks

GFO® FIBER PACKING

Life	32+ weeks
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CASE HISTORY # 239

CONDITIONS

Industry Type	SEWAGE
Equipment	PUMP
Packing	10 mm (3/8")
Shaft Size	51.3 mm (2")
Shaft Speed	4.5 m/s (1700 RPM – 890 fmp)
Medium	SLUDGE
Discharge Pressure	N/A
Temperature	21°C (70°F)

PREVIOUS PACKING

Type	FLAX/ GRAPHITE
Life	8 weeks

GFO® FIBER PACKING

Life	24+ weeks
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CASE HISTORY # 240

CONDITIONS

Industry Type	RUBBER
Equipment	PUMP PEERLESS
Packing	6 Rings 10 mm (3/8")
Shaft Size	25.6 mm (1")
Shaft Speed	N/A
Medium	WATER (WASTE)
Discharge Pressure	2.4 bar (35 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	PTFE
Life	2 weeks

GFO® FIBER PACKING

Life	28+ weeks
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CASE HISTORY # 241

CONDITIONS

Industry Type	CLOTHING
Equipment	PUMP
Packing	2 Rings 3 mm (1/8")
Shaft Size	32.1 mm (1-1/4")
Shaft Speed	N/A
Medium	WATER
Discharge Pressure	13.8 bar (200 psi)
Temperature	71 °C (160 °F)

PREVIOUS PACKING

Type	CORD
Life	4 weeks

GFO® FIBER PACKING

Life	28 weeks
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CASE HISTORY # 242

CONDITIONS

Industry Type	SEWAGE
Equipment	PUMP FULLER 34 MDF
Packing	5 Rings 10 mm (3/8")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	2.5 m/s (1250 RPM – 491 fmp)
Medium	GAS
Discharge Pressure	N/A
Temperature	38 °C (100 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	12 weeks

GFO® FIBER PACKING

Life	20+ weeks
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CASE HISTORY # 243

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP FAIRBANKS
Packing	4 Rings 13 mm (1/2")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	3.5 m/s (1750 RPM – 687 fmp)
Medium	SEWAGE
Discharge Pressure	1.4 bar (20 psi)
Temperature	38 °C (100 °F)

PREVIOUS PACKING

Type	GRAPHITE
Life	8 weeks

GFO® FIBER PACKING

Life	28+ weeks
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CASE HISTORY # 244

CONDITIONS

Industry Type	PAPER
Equipment	PUMP GOULD
Packing	5 Rings 13 mm (1/2")
Shaft Size	76.9 mm (3")
Shaft Speed	7.0 m/s (1750 RPM – 1374 fmp)
Medium	PAPER STOCK
Discharge Pressure	2.1 bar (30 psi)
Temperature	32 °C (90 °F)

PREVIOUS PACKING

Type	FLAX
Life	16 weeks

GFO® FIBER PACKING

Life	44+ weeks
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CASE HISTORY # 245

CONDITIONS

Industry Type	LIQUID CRYSTAL MFG
Equipment	MIXER
Packing	8 Rings 26 mm (1")
Shaft Size	355.8 mm (13-7/8")
Shaft Speed	0.3 m/s (15 RPM – 54 fmp)
Medium	ACID AND VAPORS
Discharge Pressure	N/A
Temperature	179 °C (355 °F)

PREVIOUS PACKING

Type	GRAPHITE
Life	12 weeks

GFO® FIBER PACKING

Life	24 weeks
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CASE HISTORY # 246

CONDITIONS

Industry Type	SEWAGE
Equipment	PUMP ECONOMY
Packing	5 Rings 13 mm (1/2")
Shaft Size	60.9 mm (2-3/8")
Shaft Speed	2.2 m/s (690 RPM – 429 fmp)
Medium	WATER (WASTE)
Discharge Pressure	2.1 bar (30 psi)
Temperature	27 °C (80 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	12 weeks

GFO® FIBER PACKING

Life	28 weeks
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CASE HISTORY # 247

CONDITIONS

Industry Type	PAPER
Equipment	REFINER JORDAN
Packing	6 Rings 19 mm (3/4")
Shaft Size	76.9 mm (3")
Shaft Speed	1.8 m/s (460 RPM – 361 fmp)
Medium	PAPER STOCK (RECYCLED)
Discharge Pressure	1.4 bar (20 psi)
Temperature	66°C (150°F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	2 weeks

GFO® FIBER PACKING

Life	28 weeks
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CASE HISTORY # 248

CONDITIONS

Industry Type	VALVE MANUFACTURER
Equipment	VALVE
Packing	7 Rings 6 mm (1/4")
Shaft Size	16.0 mm (5/8")
Shaft Speed	N/A
Medium	STEAM
Discharge Pressure	15.5 bar (225 psi)
Temperature	149°C (300°F)

PREVIOUS PACKING

Type	GRAPHOIL
Life	24 weeks

GFO® FIBER PACKING

Life	32 weeks
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CASE HISTORY # 249

CONDITIONS

Industry Type	OIL
Equipment	PUMP INGERSOLL RAND
Packing	2 Rings 13 mm (1/2")
Shaft Size	64.1 mm (2-1/2")
Shaft Speed	5.8 m/s (1750 RPM – 1145 fmp)
Medium	WATER
Discharge Pressure	2.1 bar (30 psi)
Temperature	73°C (164°F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	24 weeks

GFO® FIBER PACKING

Life	32 weeks
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CASE HISTORY # 250

CONDITIONS

Industry Type	OIL
Equipment	PUMP INGERSOLL RAND
Packing	4 Rings 10 mm (3/8")
Shaft Size	25.6 mm (1")
Shaft Speed	2.3 m/s (1750 RPM – 458 fmp)
Medium	WATER
Discharge Pressure	2.8 bar (40 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	24 weeks

GFO® FIBER PACKING

Life	44 weeks
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CASE HISTORY # 251

CONDITIONS

Industry Type	OEM
Equipment	PUMP ROTH
Packing	3 Rings 6 mm (1/4")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	3.5 m/s (1750 RPM – 687 fmp)
Medium	WATER CHEMICALS
Discharge Pressure	N/A
Temperature	66°C (150°F)

PREVIOUS PACKING

Type	PTFE/ GRAPHITE
Life	4 weeks

GFO® FIBER PACKING

Life	40+ weeks
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CASE HISTORY # 252

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP SIER-BATH
Packing	3 Rings 6 mm (1/4")
Shaft Size	48.1 mm (1-7/8")
Shaft Speed	N/A
Medium	RESIN
Discharge Pressure	6.9 bar (100 psi)
Temperature	N/A

PREVIOUS PACKING

Type	GRAPHITE
Life	12 weeks

GFO® FIBER PACKING

Life	44+ weeks
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CASE HISTORY # 253

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP WORTHINGTON
Packing	12 Rings 16 mm (5/8")
Shaft Size	76.9 mm (3")
Shaft Speed	7.1 m/s (1780 RPM – 1397 fmp)
Medium	WATER
Discharge Pressure	11.7 bar (170 psi)
Temperature	27°C (80°F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	8 weeks

GFO® FIBER PACKING

Life	56 weeks
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CASE HISTORY # 254

CONDITIONS

Industry Type	CLOTHING
Equipment	VALVE
Packing	1 Ring 3 mm (1/8")
Shaft Size	19.2 mm (3/4")
Shaft Speed	N/A
Medium	STEAM
Discharge Pressure	6.2 bar (90 psi)
Temperature	232°C (450°F)

PREVIOUS PACKING

Type	PTFE
Life	12 weeks

GFO® FIBER PACKING

Life	40+ weeks
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CASE HISTORY # 255

CONDITIONS

Industry Type	FIBER RECLAIM
Equipment	PUMP BLACK CLOHIO
Packing	12 Rings 13 mm (1/2")
Shaft Size	57.7 mm (2-1/4")
Shaft Speed	5.1 m/s (1700 RPM – 1001 fmp)
Medium	WATER (FIBER/ CHEMICAL)
Discharge Pressure	1.7 bar (25 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	12 weeks

GFO® FIBER PACKING

Life	38 weeks
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CASE HISTORY # 256

CONDITIONS

Industry Type	CHEMICAL
Equipment	AGITATOR
Packing	16 mm (5/8")
Shaft Size	N/A
Shaft Speed	N/A
Medium	RESIN (ACID/ AMMONIA)
Discharge Pressure	N/A
Temperature	177°C (350°F)

PREVIOUS PACKING

Type	PTFE
Life	12 weeks

GFO® FIBER PACKING

Life	28+ weeks
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CASE HISTORY # 257

CONDITIONS

Industry Type	PAPER
Equipment	PUMP MARLOW
Packing	5 Rings 13 mm (1/2")
Shaft Size	51.3 mm (1/2")
Shaft Speed	4.8 m/s (1800 RPM – 942 fmp)
Medium	WATER (STOCK)
Discharge Pressure	N/A
Temperature	77°C (170°F)

PREVIOUS PACKING

Type	PTFE
Life	2 weeks

GFO® FIBER PACKING

Life	16 weeks
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CASE HISTORY # 258

CONDITIONS

Industry Type	PAPER
Equipment	REFINER SPROUT-WALDRON
Packing	6 Rings 128 mm (1/2")
Shaft Size	115.4 mm (4-1/2")
Shaft Speed	4.3 m/s (720 RPM – 848 fmp)
Medium	PAPER STOCK
Discharge Pressure	N/A
Temperature	66°C (150°F)

PREVIOUS PACKING

Type	GRAPHITE
Life	4 weeks

GFO® FIBER PACKING

Life	32 weeks
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CASE HISTORY # 259

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP BYRON-JACKSON 17HQ
Packing	7 Rings 13 mm (1/2")
Shaft Size	56.1 mm (2-3/16")
Shaft Speed	4.9 m/s (1700 RPM – 973 fmp)
Medium	WATER
Discharge Pressure	4.8 bar (70 psi)
Temperature	32 °C (90 °F)

PREVIOUS PACKING

Type	INJECTABLE PACKING
Life	1 week

GFO® FIBER PACKING

Life	44+ weeks
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CASE HISTORY # 260

CONDITIONS

Industry Type	MANUFACTURER
Equipment	PUMP
Packing	3 Rings 6 mm (1/4")
Shaft Size	44.9 mm (1-3/4")
Shaft Speed	N/A
Medium	WATER
Discharge Pressure	13.8 bar (200 psi)
Temperature	10 °C (50 °F)

PREVIOUS PACKING

Type	RUBBER/ CLOTH
Life	1 week

GFO® FIBER PACKING

Life	52 weeks
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CASE HISTORY # 261

CONDITIONS

Industry Type	SEWAGE
Equipment	PUMP WEMCO
Packing	5 Rings 10 mm (3/8")
Shaft Size	16.0 mm (5/8")
Shaft Speed	1.4 m/s (1700 RPM – 278 fmp)
Medium	SLUDGE
Discharge Pressure	12.4 bar (180 psi)
Temperature	37 °C (98 °F)

PREVIOUS PACKING

Type	PTFE
Life	6 weeks

GFO® FIBER PACKING

Life	10 weeks
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CASE HISTORY # 262

CONDITIONS

Industry Type	MILITARY
Equipment	PUMP STERLING
Packing	4 Rings 6 mm (1/4")
Shaft Size	32.1 mm (1-1/4")
Shaft Speed	2.9 m/s (1725 RPM – 564 fmp)
Medium	WATER
Discharge Pressure	3.5 bar (50 psi)
Temperature	93 °C (200 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	24 weeks

GFO® FIBER PACKING

Life	28 weeks
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CASE HISTORY # 263

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP
Packing	5 Rings 13 mm (1/2")
Shaft Size	76.9 mm (3")
Shaft Speed	7.0 m/s (1750 RPM – 1374 fmp)
Medium	WATER
Discharge Pressure	N/A
Temperature	93 °C (200 °F)

PREVIOUS PACKING

Type	GRAPHITE
Life	18 weeks

GFO® FIBER PACKING

Life	25 weeks
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CASE HISTORY # 264

CONDITIONS

Industry Type	MARINE
Equipment	ROTARY
Packing	2 Rings 6 mm (1/4")
Shaft Size	25.6 mm (1")
Shaft Speed	4.0 m/s (3000 RPM – 785 fmp)
Medium	WATER
Discharge Pressure	N/A
Temperature	13 °C (55 °F)

PREVIOUS PACKING

Type	FLAX
Life	8 weeks

GFO® FIBER PACKING

Life	52+ weeks
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CASE HISTORY # 265

CONDITIONS

Industry Type	AEROSPACE PRODUCTS
Equipment	PUMP WORTHINGTON
Packing	13 mm (1/2")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	3.6 m/s (1800 RPM – 706 fmp)
Medium	WATER
Discharge Pressure	11.0 bar (160 psi)
Temperature	110°C (230°F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	32 weeks

GFO® FIBER PACKING

Life	52+ weeks
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CASE HISTORY # 266

CONDITIONS

Industry Type	CHEMICAL
Equipment	AGITATOR PFANDLER
Packing	6 Rings 14 mm (9/16")
Shaft Size	121.8 mm (4-3/4")
Shaft Speed	11.1 m/s (1750 RPM – 2175 fmp)
Medium	HYDROGEN CHLOR./SULFUR DIOXIDE
Discharge Pressure	0.1 bar (2 psi)
Temperature	85°C (185°F)

PREVIOUS PACKING

Type	PTFE
Life	1 week

GFO® FIBER PACKING

Life	39 weeks
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CASE HISTORY # 267

CONDITIONS

Industry Type	UTILITIES
Equipment	VALVE DEZURIK
Packing	2 Rings 13 mm (1/2")
Shaft Size	651.4 mm (24")
Shaft Speed	N/A
Medium	COAL ASH (HOT & DRY)
Discharge Pressure	9.7 bar (140 psi)
Temperature	38°C (100°F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	2 weeks

GFO® FIBER PACKING

Life	4 weeks
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CASE HISTORY # 268

CONDITIONS

Industry Type	CHEMICAL
Equipment	ROTARY ALLEN-SHERMAN-HOFF
Packing	4 Rings 13 mm (1/2")
Shaft Size	76.9 mm (3")
Shaft Speed	1.9 m/s (480 RPM – 377 fmp)
Medium	PHOSPHORIC ACID
Discharge Pressure	2.1 bar (30 psi)
Temperature	49°C (120°F)

PREVIOUS PACKING

Type	ARAMID
Life	16 weeks

GFO® FIBER PACKING

Life	20 weeks
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CASE HISTORY # 269

CONDITIONS

Industry Type	UTILITIES
Equipment	VALVE DEZURIK
Packing	4 Rings 13 mm (1/2")
Shaft Size	N/A
Shaft Speed	N/A
Medium	ASH
Discharge Pressure	1.4 bar (20 psi)
Temperature	149°C (300°F)

PREVIOUS PACKING

Type	PTFE
Life	16 weeks

GFO® FIBER PACKING

Life	24 weeks
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CASE HISTORY # 270

CONDITIONS

Industry Type	MINING
Equipment	PUMP DURCO
Packing	6 Rings 10 mm (3/8")
Shaft Size	28.8 mm (1-1/8")
Shaft Speed	2.6 m/s (1750 RPM – 515 fmp)
Medium	COBALT SOLUTION
Discharge Pressure	4.1 bar (60 psi)
Temperature	93°C (200°F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	6 weeks

GFO® FIBER PACKING

Life	8 weeks
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CASE HISTORY # 271

CONDITIONS

Industry Type	RUBBER
Equipment	PUMP PACIFIC
Packing	5 Rings 10 mm (3/8")
Shaft Size	35.3 mm (3/8")
Shaft Speed	5.4 m/s (2950 RPM – 1061 fmp)
Medium	WATER
Discharge Pressure	10.3 bar (150 psi)
Temperature	193 °C (380 °F)

PREVIOUS PACKING

Type	CARBON
Life	36 weeks

GFO® FIBER PACKING

Life	48 weeks
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CASE HISTORY # 272

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP GOULD
Packing	5 Rings 10 mm (3/8")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	4.7 m/s (2350 RPM – 922 fmp)
Medium	WATER
Discharge Pressure	2.8 bar (40 psi)
Temperature	66 °C (150 °F)

PREVIOUS PACKING

Type	PTFE/ ASBESTOS
Life	52 weeks

GFO® FIBER PACKING

Life	64+ weeks
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CASE HISTORY # 273

CONDITIONS

Industry Type	SEWAGE
Equipment	PUMP GALIGHIER
Packing	5 Rings 13 mm (1/2")
Shaft Size	64.1 mm (2-1/2")
Shaft Speed	5.2 m/s (1550 RPM – 1014 fmp)
Medium	ASH SLURRY
Discharge Pressure	3.2 bar (47 psi)
Temperature	149 °C (300 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	16 weeks

GFO® FIBER PACKING

Life	36 weeks
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CASE HISTORY # 274

CONDITIONS

Industry Type	SEWAGE
Equipment	PUMP
Packing	5 Rings 13 mm (1/2")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	3.5 m/s (1750 RPM – 687 fmp)
Medium	SEWAGE
Discharge Pressure	4.1 bar (60 psi)
Temperature	66 °C (150 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	12 weeks

GFO® FIBER PACKING

Life	40 weeks
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CASE HISTORY # 275

CONDITIONS

Industry Type	SEWAGE
Equipment	PUMP ALLIS-CHALMERS
Packing	5 Rings 19 mm (3/4")
Shaft Size	134.6 mm (5-1/4")
Shaft Speed	6.7 m/s (960 RPM – 1319 fmp)
Medium	SEWAGE
Discharge Pressure	3.5 bar (50 psi)
Temperature	60 °C (140 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	24 weeks

GFO® FIBER PACKING

Life	36 weeks
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CASE HISTORY # 276

CONDITIONS

Industry Type	PAPER
Equipment	PUMP ALLIS-CHALMERS
Packing	7 Rings 13 mm (1/2")
Shaft Size	89.7 mm (3-1/2")
Shaft Speed	5.6 m/s (120 RPM – 1099 fmp)
Medium	PAPER STOCK
Discharge Pressure	5.5 bar (80 psi)
Temperature	38 °C (100 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	5 weeks

GFO® FIBER PACKING

Life	8 weeks
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CASE HISTORY # 277

CONDITIONS

Industry Type	MANUFACTURER
Equipment	MIXER DOW VESSEL
Packing	6 Rings 13 mm (1/2")
Shaft Size	76.9 mm (3")
Shaft Speed	0.2 m/s (40 RPM – 31 fmp)
Medium	CHEMICALS
Discharge Pressure	N/A
Temperature	54 °C (130 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	2 weeks

GFO® FIBER PACKING

Life	4 weeks
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CASE HISTORY # 278

CONDITIONS

Industry Type	OEM
Equipment	PUMP LEWIS
Packing	7 Rings 10 mm (3/8")
Shaft Size	35.3 mm (1-3/8")
Shaft Speed	3.3 m/s (1800 RPM – 648 fmp)
Medium	SULFURIC ACID
Discharge Pressure	0.7 bar (10 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	PTFE
Life	24 weeks

GFO® FIBER PACKING

Life	52 weeks
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CASE HISTORY # 279

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP GOULD
Packing	10 Rings 19 mm (3/4")
Shaft Size	86.5 mm (3-3/8")
Shaft Speed	8.3 m/s (1850 RPM – 1634 fmp)
Medium	WATER
Discharge Pressure	4.5 bar (65 psi)
Temperature	32 °C (90 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	8 weeks

GFO® FIBER PACKING

Life	12 weeks
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CASE HISTORY # 280

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP ALLIS-CHALMERS
Packing	7 Rings 13 mm (1/2")
Shaft Size	44.9 mm (1-3/4")
Shaft Speed	4.1 m/s (1750 RPM – 801 fmp)
Medium	WATER
Discharge Pressure	2.8 bar (40 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	8 weeks

GFO® FIBER PACKING

Life	20 weeks
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CASE HISTORY # 281

CONDITIONS

Industry Type	PAPER
Equipment	REFINER BELOIT JONES
Packing	6 Rings 16 mm (5/8")
Shaft Size	166.7 mm (6-1/2")
Shaft Speed	25.9 m/s (3000 RPM – 5102 fmp)
Medium	PAPER STOCK
Discharge Pressure	0.7 bar (10 psi)
Temperature	121 °C (250 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	2 weeks

GFO® FIBER PACKING

Life	4 weeks
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CASE HISTORY # 282

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP MONO
Packing	5 Rings 10 mm (3/8")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	1.8 m/s (900 RPM – 353 fmp)
Medium	N/A
Discharge Pressure	2.8 bar (40 psi)
Temperature	116 °C (240 °C)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	4 weeks

GFO® FIBER PACKING

Life	9 weeks
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CASE HISTORY # 283

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP TANK
Packing	5 Rings 10 mm (3/8")
Shaft Size	36.9 mm (1-7/16")
Shaft Speed	0.0 m/s (15 RPM – 6 fmp)
Medium	WATER (SOLUBLE RESIN)
Discharge Pressure	0.8 bar (11 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	20 weeks

GFO® FIBER PACKING

Life	28 weeks
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CASE HISTORY # 284

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP DURCO
Packing	5 Rings 13 mm (1/2")
Shaft Size	48.1 mm (1-7/8")
Shaft Speed	4.5 m/s (1800 RPM – 883 fmp)
Medium	WATER
Discharge Pressure	1.2 bar (17 psi)
Temperature	49°C (120°C)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	24 weeks

GFO® FIBER PACKING

Life	32 weeks
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CASE HISTORY # 285

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP VIKING
Packing	7 Rings 16 mm (5/8")
Shaft Size	33.7 mm (1-5/16")
Shaft Speed	0.8 m/s (440 RPM – 151 fmp)
Medium	OIL, RAW TAR
Discharge Pressure	5.5 bar (80 psi)
Temperature	149°C (300°F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	24 weeks

GFO® FIBER PACKING

Life	28 weeks
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CASE HISTORY # 286

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP WORTHINGTON
Packing	9 Rings 13 mm (1/2")
Shaft Size	44.9 mm (1-3/4")
Shaft Speed	4.1 m/s (1750 RPM – 801 fmp)
Medium	OIL (HOT PITCH)
Discharge Pressure	N/A
Temperature	93°C (200°F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	2 weeks

GFO® FIBER PACKING

Life	10 weeks
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CASE HISTORY # 287

CONDITIONS

Industry Type	UTILITIES
Equipment	VALVE HENRY VOGT
Packing	4 Rings 6 mm (1/4")
Shaft Size	12.8 mm (1/2")
Shaft Speed	0.0 m/s (15 RPM – 2 fpm)
Medium	STEAM
Discharge Pressure	0.8 bar (11 psi)
Temperature	100°C (212°F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	24 weeks

GFO® FIBER PACKING

Life	40 weeks
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CASE HISTORY # 288

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP DURCO
Packing	5 Rings 6 mm (1/4")
Shaft Size	25.6 mm (1")
Shaft Speed	2.3 m/s (1750 RPM – 458 fmp)
Medium	SULFITE SLURRY
Discharge Pressure	2.8 bar (40 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	PTFE
Life	2 weeks

GFO® FIBER PACKING

Life	6 weeks
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CASE HISTORY # 289

CONDITIONS

Industry Type	STEEL
Equipment	PUMP INGERSOLL RAND
Packing	6 Rings 13 mm (1/2")
Shaft Size	76.9 mm (3")
Shaft Speed	7.0 m/s (1750 RPM – 1374 fmp)
Medium	WATER
Discharge Pressure	5.5 bar (80 psi)
Temperature	38 °C (100 °F)

PREVIOUS PACKING

Type	LEAD
Life	12 weeks

GFO® FIBER PACKING

Life	32 weeks
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CASE HISTORY # 290

CONDITIONS

Industry Type	MANUFACTURER
Equipment	PUMP BOWERY BROTHERS
Packing	6 Rings 13 mm (1/2")
Shaft Size	64.1 mm (2-1/2")
Shaft Speed	6.0 m/s (1800 RPM – 1178 fmp)
Medium	STEAM
Discharge Pressure	2.8 bar (40 psi)
Temperature	218 °C (425 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	3 weeks

GFO® FIBER PACKING

Life	8 weeks
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CASE HISTORY # 291

CONDITIONS

Industry Type	MANUFACTURER
Equipment	PUMP BOWERY BROTHERS
Packing	6 Rings 13 mm (1/2")
Shaft Size	64.1 mm (2-1/2")
Shaft Speed	6.0 m/s (1800 RPM – 1178 fmp)
Medium	PULP
Discharge Pressure	2.8 bar (40 psi)
Temperature	218 °C (425 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	3 weeks

GFO® FIBER PACKING

Life	5 weeks
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CASE HISTORY # 292

CONDITIONS

Industry Type	MANUFACTURER
Equipment	PUMP BOWERY BROTHERS
Packing	6 Rings 13 mm (1/2")
Shaft Size	64.1 mm (2-1/2")
Shaft Speed	6.0 m/s (1800 RPM – 1178 fmp)
Medium	STEAM
Discharge Pressure	2.8 bar (40 psi)
Temperature	218 °C (425 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	3 weeks

GFO® FIBER PACKING

Life	10 weeks
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CASE HISTORY # 293

CONDITIONS

Industry Type	PAPER
Equipment	DEFIBRATOR
Packing	6 Rings 19 mm (3/4")
Shaft Size	115.4 mm (4-1/2")
Shaft Speed	2.8 m/s (460 RPM – 542 fmp)
Medium	WOOD PULP
Discharge Pressure	N/A
Temperature	93 °C (200 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	6 weeks

GFO® FIBER PACKING

Life	10 weeks
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CASE HISTORY # 294

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP NASH
Packing	6 Rings 13 mm (1/2")
Shaft Size	99.4 mm (3-7/8")
Shaft Speed	2.6 m/s (500 RPM – 507 fmp)
Medium	CHLORINE GAS
Discharge Pressure	1.7 bar (25 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	PTFE
Life	4 weeks

GFO® FIBER PACKING

Life	12 weeks
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CASE HISTORY # 295

CONDITIONS

Industry Type	SEWAGE
Equipment	PUMP ALLIS-CHALMERS
Packing	5 Rings 13 mm (1/2")
Shaft Size	76.9 mm (3")
Shaft Speed	7.0 m/s (1750 RPM – 1374 fmp)
Medium	SLURRY
Discharge Pressure	3.8 bar (55 psi)
Temperature	49 °C (120 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	24 weeks

GFO® FIBER PACKING

Life	40 weeks
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CASE HISTORY # 296

CONDITIONS

Industry Type	NUCLEAR
Equipment	PUMP ALLIS-CHALMERS
Packing	5 Rings 13 mm (1/2")
Shaft Size	32.1 mm (1-1/4")
Shaft Speed	2.9 m/s (1725 RPM – 564 fmp)
Medium	WATER
Discharge Pressure	2.7 bar (39 psi)
Temperature	35 °C (95 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	4 weeks

GFO® FIBER PACKING

Life	15 weeks
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CASE HISTORY # 297

CONDITIONS

Industry Type	CHEMICAL
Equipment	MIXER
Packing	3 Rings 16 mm (5/8")
Shaft Size	48.1 mm (1-7/8")
Shaft Speed	0.4 m/s (150 RPM – 74 fmp)
Medium	SOLVENT
Discharge Pressure	N/A
Temperature	38 °C (100 °F)

PREVIOUS PACKING

Type	GRAPHITE
Life	4 weeks

GFO® FIBER PACKING

Life	8 weeks
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CASE HISTORY # 298

CONDITIONS

Industry Type	MANUFACTURER
Equipment	PUMP WORTHINGTON
Packing	6 Rings 10 mm (3/8")
Shaft Size	28.8 mm (1-1/8")
Shaft Speed	2.6 m/s (1750 RPM – 515 fmp)
Medium	WATER
Discharge Pressure	2.4 bar (35 psi)
Temperature	120 °C (248 °F)

PREVIOUS PACKING

Type	PTFE
Life	24 weeks

GFO® FIBER PACKING

Life	32 weeks
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CASE HISTORY # 299

CONDITIONS

Industry Type	PAPER
Equipment	PUMP ALLIS-CHALMERS
Packing	5 Rings 13 mm (1/2")
Shaft Size	105.8 mm (4-1/8")
Shaft Speed	9.6 m/s (1750 RPM – 1889 fmp)
Medium	BLACK LIQUOR
Discharge Pressure	2.8 bar (40 psi)
Temperature	66 °C (150 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	8 weeks

GFO® FIBER PACKING

Life	9 weeks
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CASE HISTORY # 300

CONDITIONS

Industry Type	PAPER
Equipment	MIXER
Packing	5 Rings 13 mm (1/2")
Shaft Size	198.7 mm (7-3/4")
Shaft Speed	0.4 m/s (40 RPM – 81 fmp)
Medium	BLACK LIQUOR
Discharge Pressure	N/A
Temperature	54 °C (130 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	8 weeks

GFO® FIBER PACKING

Life	16 weeks
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CASE HISTORY # 301

CONDITIONS

Industry Type	PAPER
Equipment	MIXER IMPCO
Packing	5 Rings 13 mm (1/2")
Shaft Size	141.0 mm (5-1/2")
Shaft Speed	1.1 m/s (150 RPM – 216 fmp)
Medium	GREEN LIQUOR
Discharge Pressure	N/A
Temperature	93 °C (200 °F)

PREVIOUS PACKING

Type	GRAPHITE
Life	16 weeks

GFO® FIBER PACKING

Life	20 weeks
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CASE HISTORY # 302

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP ALLIS-CHALMERS
Packing	3 Rings 13 mm (1/2")
Shaft Size	51.3 mm (2")
Shaft Speed	2.6 m/s (960 RPM – 502 fmp)
Medium	CONDENSATE
Discharge Pressure	3.5 bar (50 psi)
Temperature	60 °C (140 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	10 weeks

GFO® FIBER PACKING

Life	20 weeks
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CASE HISTORY # 303

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP DEAN
Packing	8 Rings 10 mm (3/8")
Shaft Size	44.9 mm (1-3/4")
Shaft Speed	1.0 m/s (440 RPM – 201 fmp)
Medium	OIL
Discharge Pressure	5.5 bar (80 psi)
Temperature	149 °C (300 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	8 weeks

GFO® FIBER PACKING

Life	12 weeks
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CASE HISTORY # 304

CONDITIONS

Industry Type	PAPER
Equipment	PUMP GOLD
Packing	6 Rings 13 mm (1/2")
Shaft Size	44.9 mm (1-3/4")
Shaft Speed	4.3 m/s (1850 RPM – 847 fmp)
Medium	WATER
Discharge Pressure	4.5 bar (65 psi)
Temperature	60 °C (140 °F)

PREVIOUS PACKING

Type	ASBESTOS
Life	10 weeks

GFO® FIBER PACKING

Life	15 weeks
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CASE HISTORY # 305

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP GOULD
Packing	5 Rings 10 mm (3/8")
Shaft Size	64.1 mm (2-1/2")
Shaft Speed	2.7 m/s (800 RPM – 523 fmp)
Medium	SODA SOLUTION (CAUSTIC)
Discharge Pressure	4.1 bar (60 psi)
Temperature	93 °C (200 °F)

PREVIOUS PACKING

Type	PTFE
Life	18 weeks

GFO® FIBER PACKING

Life	22 weeks
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CASE HISTORY # 306

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP FAIRBANKS
Packing	4 Rings 13 mm (1/2")
Shaft Size	76.9 mm (3")
Shaft Speed	13.2 m/s (3300 RPM – 2590 fmp)
Medium	WATER
Discharge Pressure	17.2 bar (250 psi)
Temperature	13 °C (55 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	8 weeks

GFO® FIBER PACKING

Life	20 weeks
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CASE HISTORY # 307

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP WORTHINGTON
Packing	6 Rings 13 mm (1/2")
Shaft Size	51.3 mm (2")
Shaft Speed	4.7 m/s (1750 RPM – 916 fmp)
Medium	WATER
Discharge Pressure	12.4 bar (180 psi)
Temperature	182 °C (360 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	12 weeks

GFO® FIBER PACKING

Life	20 weeks
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CASE HISTORY # 308

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP DEMING
Packing	5 Rings 10 mm (3/8")
Shaft Size	35.3 mm (1-3/8")
Shaft Speed	6.6 m/s (3600 RPM – 1295 fmp)
Medium	CHEMICAL WASTE
Discharge Pressure	2.1 bar (30 psi)
Temperature	163 °C (325 °F)

PREVIOUS PACKING

Type	ARAMID
Life	1 week

GFO® FIBER PACKING

Life	4 weeks
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CASE HISTORY # 309

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP HARLAND
Packing	8 Rings 13 mm (1/2")
Shaft Size	101.0 mm (3-15/16")
Shaft Speed	7.3 m/s (1400 RPM – 1442 fmp)
Medium	ASH SLURRY
Discharge Pressure	2.1 bar (30 psi)
Temperature	93 °C (200 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	4 weeks

GFO® FIBER PACKING

Life	6 weeks
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CASE HISTORY # 310

CONDITIONS

Industry Type	CHEMICAL
Equipment	AGITATOR
Packing	5 Rings 10 mm (3/8")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	0.6 m/s (320 RPM – 126 fmp)
Medium	WAX-OIL
Discharge Pressure	1.7 bar (25 psi)
Temperature	138 °C (280 °F)

PREVIOUS PACKING

Type	ARAMID
Life	8 weeks

GFO® FIBER PACKING

Life	10 weeks
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CASE HISTORY # 311

CONDITIONS

Industry Type	STEEL
Equipment	PUMP SNYDER
Packing	10 Rings 19 mm (3/4")
Shaft Size	153.8 mm (6")
Shaft Speed	27.9 m/s (3500 RPM – 5495 fmp)
Medium	WATER
Discharge Pressure	8.3 bar (120 psi)
Temperature	99 °C (210 °F)

PREVIOUS PACKING

Type	PTFE
Life	4 weeks

GFO® FIBER PACKING

Life	16 weeks
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CASE HISTORY # 312

CONDITIONS

Industry Type	TRANSPORTATION
Equipment	PUMP WORTHINGTON
Packing	7 Rings 13 mm (1/2")
Shaft Size	32.1 mm (1-1/4")
Shaft Speed	2.9 m/s (1750 RPM – 572 fmp)
Medium	AIR AND WATER
Discharge Pressure	3.5 bar (50 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	24 weeks

GFO® FIBER PACKING

Life	32 weeks
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CASE HISTORY # 313**CONDITIONS**

Industry Type	CHEMICAL
Equipment	PUMP DOUGLAS
Packing	13 mm (1/2")
Shaft Size	64.1 mm (2-1/2")
Shaft Speed	0.3 m/s (100 RPM – 65 fmp)
Medium	SOLVENTS
Discharge Pressure	3.5 bar (50 psi)
Temperature	100 °C (212 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	3 weeks

GFO® FIBER PACKING

Life	5 weeks
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CASE HISTORY # 314**CONDITIONS**

Industry Type	SEWAGE
Equipment	PUMP MARLOW
Packing	6 Rings 13 mm (1/2")
Shaft Size	51.3 mm (2")
Shaft Speed	N/A
Medium	SLUDGE
Discharge Pressure	3.5 bar (50 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	12 weeks

GFO® FIBER PACKING

Life	40 weeks
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CASE HISTORY # 315**CONDITIONS**

Industry Type	UTILITIES
Equipment	PUMP VIKING
Packing	6 Rings 13 mm (1/2")
Shaft Size	51.3 mm (2")
Shaft Speed	0.4 m/s (150 RPM – 78 fmp)
Medium	WATER
Discharge Pressure	7.6 bar (110 psi)
Temperature	121 °C (250 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	12 weeks

GFO® FIBER PACKING

Life	36 weeks
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CASE HISTORY # 316**CONDITIONS**

Industry Type	UTILITIES
Equipment	PUMP FAIRBANKS
Packing	5 Rings 13 mm (1/2")
Shaft Size	54.5 mm (2-1/8")
Shaft Speed	4.9 m/s (1750 RPM – 973 fmp)
Medium	SEWAGE
Discharge Pressure	3.1 bar (45 psi)
Temperature	110 °C (230 °F)

PREVIOUS PACKING

Type	ARAMID
Life	24 weeks

GFO® FIBER PACKING

Life	60 weeks
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CASE HISTORY # 317**CONDITIONS**

Industry Type	MANUFACTURER
Equipment	PUMP GOULD
Packing	5 Rings 8 mm (5/16")
Shaft Size	32.1 mm (1-1/4")
Shaft Speed	2.1 m/s (1250 RPM – 409 fmp)
Medium	WATER
Discharge Pressure	4.1 bar (60 psi)
Temperature	82 °C (180 °F)

PREVIOUS PACKING

Type	PTFE
Life	12 weeks

GFO® FIBER PACKING

Life	16 weeks
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CASE HISTORY # 318**CONDITIONS**

Industry Type	MANUFACTURER
Equipment	PUMP DETROIT
Packing	5 Rings 6 mm (1/4")
Shaft Size	N/A
Shaft Speed	N/A
Medium	PAINT
Discharge Pressure	6.6 bar (95 psi)
Temperature	39 °C (102 °F)

PREVIOUS PACKING

Type	ASBESTOS / GRAPHITE
Life	3 weeks

GFO® FIBER PACKING

Life	6 weeks
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CASE HISTORY # 319

CONDITIONS

Industry Type	STEEL
Equipment	PUMP FREDERICK
Packing	16 Rings 19 mm (3/4")
Shaft Size	76.9 mm (3")
Shaft Speed	8.4 m/s (2100 RPM – 1648 fmp)
Medium	WATER
Discharge Pressure	4.8 bar (70 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	2 weeks

GFO® FIBER PACKING

Life	6 weeks
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CASE HISTORY # 320

CONDITIONS

Industry Type	MINING
Equipment	PUMP GIW
Packing	6 Rings 26 mm (1")
Shaft Size	211.5 mm (8-1/4")
Shaft Speed	13.2 m/s (1200 RPM – 2590 fmp)
Medium	IRON SLURRY
Discharge Pressure	2.2 bar (32 psi)
Temperature	149°C (300°F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	14 weeks

GFO® FIBER PACKING

Life	18 weeks
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CASE HISTORY # 321

CONDITIONS

Industry Type	PAPER
Equipment	PUMP WARR
Packing	28 Rings 16 mm (5/8")
Shaft Size	150.6 mm (5-7/8")
Shaft Speed	14.1 m/s (1800 RPM – 2767 fmp)
Medium	STOCK
Discharge Pressure	5.1 bar (74 psi)
Temperature	27°C (80°F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	10 weeks

GFO® FIBER PACKING

Life	13 weeks
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CASE HISTORY # 322

CONDITIONS

Industry Type	PAPER
Equipment	REFINER
Packing	6 Rings 19 mm (3/4")
Shaft Size	211.5 mm (8-1/4")
Shaft Speed	N/A
Medium	STOCK
Discharge Pressure	N/A
Temperature	104°C (220°F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	6 weeks

GFO® FIBER PACKING

Life	8 weeks
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CASE HISTORY # 323

CONDITIONS

Industry Type	CHEMICAL
Equipment	PUMP WORTHINGTON
Packing	6 Rings 16 mm (5/8")
Shaft Size	123.4 mm (4-13/16")
Shaft Speed	11.2 m/s (1750 RPM – 2204 fmp)
Medium	SLURRY
Discharge Pressure	2.4 bar (35 psi)
Temperature	120°C (248°F)

PREVIOUS PACKING

Type	ARAMID
Life	6 weeks

GFO® FIBER PACKING

Life	8 weeks
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CASE HISTORY # 324

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP GOULD
Packing	4 Rings 13 mm (1/2")
Shaft Size	38.5 mm (1-1/2")
Shaft Speed	3.4 m/s (1700 RPM – 667 fmp)
Medium	SEWAGE
Discharge Pressure	3.5 bar (50 psi)
Temperature	AMBIENT

PREVIOUS PACKING

Type	ARAMID
Life	4 weeks

GFO® FIBER PACKING

Life	10 weeks
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CASE HISTORY # 325

CONDITIONS

Industry Type	UTILITIES
Equipment	PUMP ALLIS-CHALMERS
Packing	7 Rings 10 mm (3/8")
Shaft Size	51.3 mm (2")
Shaft Speed	4.7 m/s (1750 RPM – 916 fmp)
Medium	LIME SLURRY
Discharge Pressure	3.8 bar (55 psi)
Temperature	49 °C (120 °F)

PREVIOUS PACKING

Type	ASBESTOS / PTFE
Life	14 weeks

GFO® FIBER PACKING

Life	20 weeks
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CASE HISTORY # 326

CONDITIONS

Industry Type	MANUFACTURER
Equipment	COMPRESSOR PENNSYLVANIA
Packing	6 Rings 19 mm (3/4")
Shaft Size	38.5 mm (1/2")
Shaft Speed	N/A
Medium	AIR
Discharge Pressure	2.1 bar (30 psi)
Temperature	132 °C (270 °F)

GFO® FIBER PACKING

Type	GRAPHITE
Life	24 weeks

GFO® FIBER PACKING

Life	32 weeks
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CASE HISTORY # 327

CONDITIONS

Industry Type	CHEMICAL
Equipment	MIXER BAKER PERKINS
Packing	22 mm (7/8")
Shaft Size	115.4 mm (4-1/2")
Shaft Speed	0.2 m/s (40 RPM – 47 fmp)
Medium	PAINT
Discharge Pressure	N/A
Temperature	54 °C (130 °F)

PREVIOUS PACKING

Type	GRAPHITE
Life	2 weeks

GFO® FIBER PACKING

Life	7 weeks
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CASE HISTORY # 328

CONDITIONS

Industry Type	CHEMICAL
Equipment	MIXER BAKER PERKINS
Packing	6 Rings 19 mm (3/4")
Shaft Size	102.6 mm (4")
Shaft Speed	N/A
Medium	PAINT
Discharge Pressure	3.1 bar (45 psi)
Temperature	110 °C (230 °F)

PREVIOUS PACKING

Type	GRAPHITE
Life	2 weeks

GFO® FIBER PACKING

Life	10 weeks
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GFO Packing

Supplied by

For detailed selection criteria, technical information, installation guideline and a complete listing of local sales offices please visit gore.com/sealants

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