



# GORE® Valve Stem Packing DP

## All-Purpose and Self-Forming

GORE® Valve Stem Packing DP is a pliable, self-lubricating packing that eliminates stem wear and lasts indefinitely. This continuous-length packing installs easily and forms a cohesive cylinder when compressed, eliminating the need to cut and form rings.

In most cases, it is not necessary to remove the valve from service, and no disassembly is required. When GORE® Valve Stem Packing DP is wound around a valve stem, pushed into the stuffing box and compressed by tightening the gland nut, it is compacted into a high-density packing. The result is a perfect, high-precision fit and a packing that fills flaws and irregularities — including those caused by wear. Once installed, a slight turn on the gland nut is all the maintenance that is usually required.

GORE® Valve Stem Packing DP is unaffected by all common chemicals. It is ideal for use in process lines in chemical processing plants and petroleum refineries.

### TECHNICAL DATA

#### MATERIAL

100% PTFE

#### TEMPERATURE RANGE

-450°F to +600°F (-268°C to +315°C)

#### CHEMICAL RESISTANCE

Resistant to all media (pH 0 -14), except for molten or dissolved alkali metals and elemental fluorine particularly at high temperatures and pressures.

#### STABILITY

Not subject to aging, UV-resistant and can be stored indefinitely.

#### PHYSIOLOGICAL SAFETY

Physiologically harmless within operating range.  
FOR INDUSTRIAL USE ONLY. Not for use in food, drug, cosmetic or medical device manufacturing, processing, or packaging operations.

#### OPERATING PRESSURE

Vacuum to 50bar / 725psi; the maximum applicable pressure depends mainly on the equipment. For higher pressure applications, please contact Gore.

#### MAXIMUM CIRCUMFERENTIAL VELOCITY

0,7m/s (140 fpm)



### KEY FEATURES

- 100% PTFE
- High degree of pliability
- Fills flaws & irregularities
- Practically eliminates stem wear
- Will not deteriorate with age
- Wide range of applications

### KEY BENEFITS

- Reduced emissions
- Easier & faster to install
- Proven performance
- Longer service life
- Simplified inventory requirements



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## STRONG AND PLIABLE

Made in a unique process, with 100% PTFE, GORE® Valve Stem Packing DP offers a high degree of pliability. This allows the packing to conform to worn valve stems and stuffing boxes, eliminating the need for expensive repairs to older valves.

## LONGER SERVICE LIFE

In typical applications on steam lines, GORE® Valve Stem Packing DP has consistently outperformed other packings. Time after time, GORE® Valve Stem Packing DP has sealed leaks permanently, where other packings had failed in days or weeks. Many of the applications are on worn valves – valves that have been in service for many years with frequent repacking.

## UNIQUE STRUCTURE

Seals made with GORE® Valve Stem Packing DP last longer because the unique fibril structure of the material provides better strength, moldability, and conformability. GORE® Valve Stem Packing DP flows into imperfections in both the stem and stuffing box. The softness and self-lubricating nature of GORE® Valve Stem Packing DP practically eliminates stem wear.

## REDUCED INVENTORY

With only a few sizes of GORE® Valve Stem Packing DP needed to pack most valves, substantial reductions in inventory are possible. In addition, GORE® Valve Stem Packing DP can be used in a wide range of applications, further reducing inventory by eliminating the need for many different kinds of packing.

## VERSATILITY AND PERFORMANCE

GORE® Valve Stem Packing DP has an unequaled record of proven performance. It will not deteriorate with age, has a low coefficient of friction and withstands temperatures from -268°C to +315°C / -450°F to +600°F. In addition, GORE® Valve Stem Packing DP is unaffected by all common chemicals.

Supplied By: \_\_\_\_\_

*All technical information and advice given here is based on our previous experiences and/or test results. We give this information to the best of our knowledge, but assume no legal responsibility. Customers are asked to check the suitability and usability in the specific application, since the performance of the product can only be judged when all necessary operating data are available. Specifications are subject to change without notice. Gore's terms and conditions of sale apply to the purchase and sale of the product.*

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It is ideal for use in process lines in chemical processing and petroleum refining.

In chemical service, GORE® Valve Stem Packing DP has solved difficult problems sealing leaks which were costly and, in many cases, dangerous.

## SIZES/PACKAGING

Part Number	Nominal Diameter		Length per Spool	
	mm	in	m	ft
DP02-05	2.5	3/32	5	16
DP02-25	2.5	3/32	25	82
DP04-05	4	5/32	5	16
DP04-25	4	5/32	25	82
DP06-05	6	1/4	5	16
DP06-25	6	1/4	25	82
DP08-05	8	5/16	5	16
DP08-25	8	5/16	25	82
DP10-05	10	3/8	5	16
DP10-25	10	3/8	25	82
DP13-05	13	1/2	5	16
DP13-25	13	1/2	25	82
DP16-05	16	5/8	5	16
DP19-05	19	3/4	25	82

## APPROVALS AND CERTIFICATES

- Certified by DQS in accordance with ISO 9001, suppliers are integrated.
- Production monitored by TÜV Germany.
- Approved by BAM for liquid and gaseous oxygen service.



For detailed selection criteria, technical information, installation guideline and the complete listing of local sales offices, please visit [gore.com/sealants](http://gore.com/sealants).

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