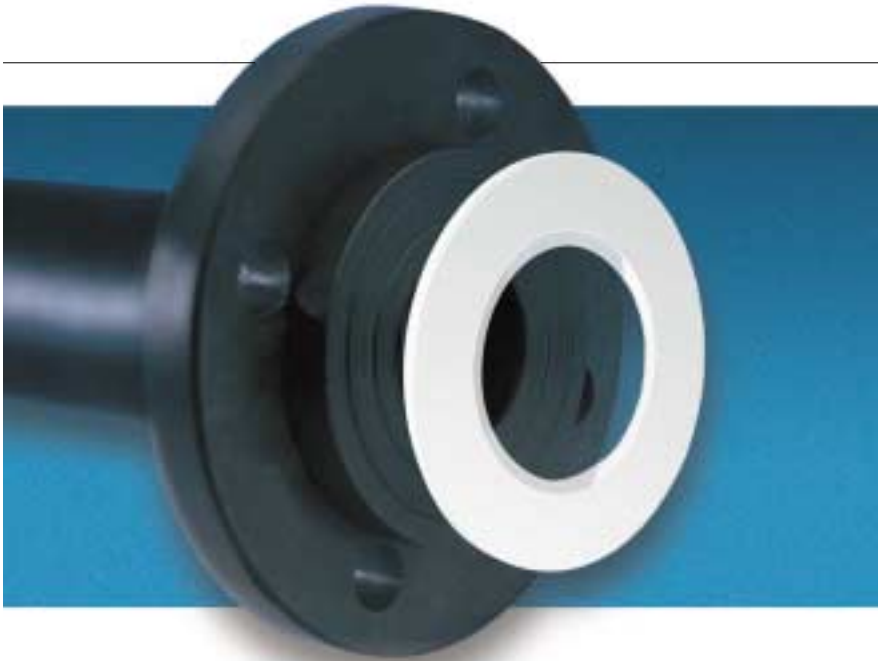




GORE-TEX® TriGuard™ GASKET

Sealing with Certainty™



Low Stress to Seal

GORE-TEX® TriGuard™ gaskets are used to seal fragile pipe flanges with low bolt load. Unlike other gaskets, they seal tight and stay tight, even with varying flange conditions.

Designed for low stress-to-seal flanges, GORE-TEX® TriGuard™ gaskets are ideal for contamination services and highly permeable fluids, chlorine and monomer service. Unaffected by even the most aggressive chemicals, GORE-TEX® TriGuard™ gaskets combine all the properties of expanded PTFE with very good sealability.

Look to GORE-TEX® TriGuard™ gaskets for superior performance in three important areas: conforming to irregular surfaces, helping to protect flanges, and seal reliability. With over 25 years of manufacturing and technical experience, depend on GORE-TEX® gasketing when you need the highest level of confidence.

Technical Data

Material

100% expanded PTFE with high multi-directional tensile strength. Free from asbestos and any other lung damaging component.

Temperature Range of PTFE

-240°C (-400°F) to +270°C (518°F), to 315°C (599°F) for short periods.

Chemical Resistance

Resistant to all media in the range pH 0 to 14, except molten alkali metals and element fluorine, particularly at elevated temperatures and pressures.

Recommended Operating Pressure and Temperature Range

- Vacuum to 40 bar (600 psi)
- -240°C (-400°F) to +230°C (+446°F), from +230°C (+446°F) up to +270°C (518°F) please contact your GORE product specialist.

Stability

Not subject to ageing and can be stored indefinitely.

Physiological Safety

Physiologically harmless in prolonged installation at temperatures up to +260°C according to VDI/VDE guidelines 2480; complies to the FDA 21 CFR 177.1550 (PTFE) requirements for food.

GASKET FOR FRAGILE FLANGES

Key Features

- Made from 100% expanded PTFE
- Highly conformable
- Seals at low bolt load
- Chemically inert & temperature resistant
- High dimensional stability & creep resistance
- High blowout resistance

Key Benefits

- Seals highly permeable & aggressive fluids
- Protects weak & fragile flanges from cracking
- Seals damaged or misaligned flanges
- Seldom needs retorquing
- Superior sealing reliability & long gasket life
- Lowers total sealing cost
- Standardise: fewer types of gasket in the piping system

Typical Applications

- Plastic flanges
- Glass-lined-steel flanges
- PTFE- & rubber-lined flanges



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Mechanical Data

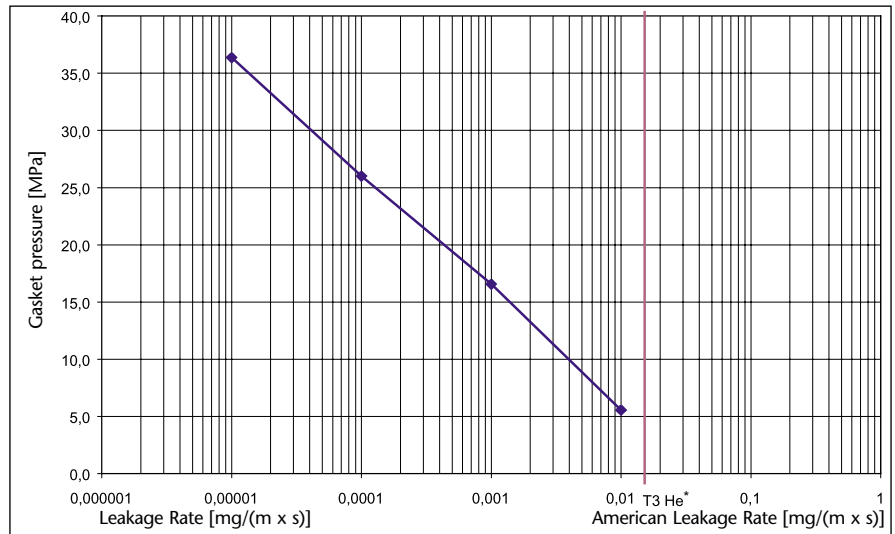
ASTM F-36 55 %
 DIN σ_{VO} 150 MPa

Sealability

ASTM F-37 ("Y" value) 1500 psi
 ASTM F-568 ("m" factor) 2.4
 DIN σ_{VU} 7 MPa
 DIN σ_{VU} recommended 10 MPa
 DIN σ_{BU} <5 MPa

Installation Guide

Clean the flange faces and apply the gasket. Tighten the bolts in three steps until recommended torque.



Available Sizes

	DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
Thickness [mm]	1,5	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	3,0	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	6,0									•	•	•	•	•	•

Pressure rating PN6 – PN 40

	Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"	5"	6"	8"	10"	12"
Thickness [mm]	1,5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	3,0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	6,0										•	•	•	•	•	•

Class 150-LB. Ring

Delivery

Ex Stock, ANSI-sizes on request.

Order Details

DIN: GORE-TEX® TriGuard™ (DNxx (Size) -PNxx (Pressure) -x(Thickness) -134)

ANSI: GORE-TEX® TriGuard™ (x (Size in ") -LB150 -x(Thickness) -134)

Quality Assurance

This form is the basis of the high level of quality of GORE sealants. The GORE Quality Control system is certified according to DIN EN ISO 9001 by DQS. Component suppliers are also integrated into this system.



Supplied by:



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All the technical information and advice we give is based on our previous experiences. We give this information to the best of our knowledge, but assume no legal responsibility. Customers are asked to check these details and results, since the performance of a sealant can be judged only where all necessary operating data are available. Our product specialist shall be glad to help you.

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Specifications are subject to change without notice.