



# GORE® Gasket Tape Series 1000

Easily and reliably seal glass-lined steel to contain aggressive media, protect equipment, and reduce emissions.

## Technical Specifications

### Material

100% ePTFE (expanded polytetrafluoroethylene), with multidirectional strength.

### Operating range

The maximum applicable pressure and temperature depend mainly on the equipment and installation.

Typical use: -60 °C to 230 °C (-76 °F to 445 °F); industrial full vacuum<sup>1</sup> to 10 bar (145 psi)

Maximum use: -269 °C to 315 °C (-452 °F to 600 °F); full vacuum to 16 bar (230 psi) for flanges up to DN 2000/ASME 80"

Be aware that flange surface irregularities may cause high peak loads. Please contact Gore if further guidance is required.

For applications outside the typical use range, Gore recommends an application-specific engineering design calculation and extra care during installation.

### Chemical resistance

Chemical resistance to all media pH 0–14, except molten alkali metals and elemental fluorine.

### Shelf life

ePTFE is not subject to aging and can be stored indefinitely. To ensure optimal adhesive function, we recommend use within two years of date of purchase when stored under normal<sup>2</sup> conditions.

<sup>1</sup> Absolute pressure of 1 mmHg (Torr) = 133 Pa = 1.33 mbar = 0.019 psi

<sup>2</sup> 21 °C (70 °F) 50% relative humidity

## Product Sizes

Choose tape width to be the same or wider than the width of the flange.

- Use 6 mm (1/4") tape thickness for deviations up to 1.7 mm (0.07") without shimming.
- Use 9 mm (3/8") tape thickness for deviations up to 2.5 mm (0.10") without shimming.

For greater deviations, consider shimming with GORE® Gasket Tape Series 1000 Shimming Tape. For additional details, please refer to our Installation Guide for GORE® Gasket Tape Series 1000 → [PDF](#).



### GORE® Gasket Tape Series 1000

GORE® Gasket Tape Series 1000 is manufactured to metric dimensions. Choose from multiple widths, thicknesses and lengths, in any combination.

Width	Thickness	Length
40 mm (1.5")	6 mm (1/4")	5 m (16')
55 mm (2")	9 mm (3/8")	10 m (32')
65 mm (2.5")		15 m (49')

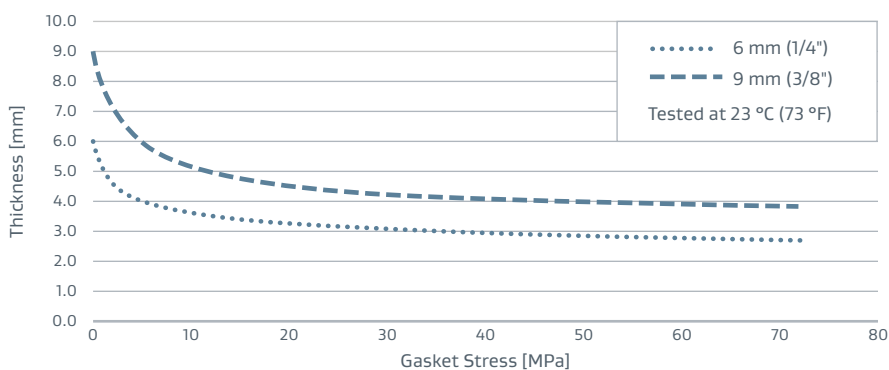
### GORE® Gasket Tape Series 1000 Shimming Tape

GORE® Gasket Tape Series 1000 Shimming tape is 3 mm (1/8") thick x 5 m (16') long, in any of the above widths. Select shimming tape to the same width as your Series 1000 gasket tape.

## Technical Data: GORE® Gasket Tape Series 1000

	Thickness	
	6 mm (1/4")	9 mm (3/8")
<b>Sealability<sup>3</sup></b>		
Q <sub>min</sub> (0.1)	9 MPa (1,305 psi)	13 MPa (1,885 psi)
Q <sub>min</sub> (0.01)	14 MPa (2,030 psi)	18 MPa (2,610 psi)
Q <sub>smin</sub> up to L0.0001 and Q <sub>A</sub> > 5 MPa	5 MPa (725 psi)	5 MPa (725 psi)
m	5	5
y	9 MPa (1,305 psi)	13 MPa (1,885 psi)
<b>Conformability<sup>4</sup></b>		
Stress to seal 0.1 mg/(m·s) measured on test plattens with a groove <sup>4</sup>	9 MPa (1,305 psi)	13 MPa (1,885 psi)
Stress to seal 0.01 mg/(m·s) measured on test plattens with a groove <sup>4</sup>	14 MPa (2,030 psi)	18 MPa (2,610 psi)
<b>Creep relaxation<sup>5</sup></b>		
P <sub>QR</sub> , 150 °C (302 °F)	0.49	0.41
P <sub>QR</sub> , 230 °C (445 °F)	0.36	0.29
<b>Crush strength<sup>6</sup></b>		
Max. surface stress at 23 °C (73 °F)	70 MPa (10,150 psi)	70 MPa (10,150 psi)
<sup>3</sup> Based on EN 13555 leakage test protocol. DN200 PN10 plattens, 10 bar nitrogen, 30 mm wide tape. <sup>4</sup> As <sup>3</sup> but with 0.5 mm deep groove with sloped edges cut into the plattens. <sup>5</sup> Based on EN 13555 creep relaxation test protocol (P <sub>QR</sub> ). 2 x 250 mm x 55 mm strips, 500 kN/mm, 10 MPa starting stress. <sup>6</sup> 2 x 250 mm x 55 mm strips, 500 kN/mm, 0.1 MPa/s load rate, 15 min hold time, no visible damage.		

### Compression curve



## Certifications & Application Information

TA Luft, Blowout (VDI 2200), Leachable Fluoride and Chloride, ISO 9001.

Further information, including certificates and safety information, is available on [gore.com/sealants](http://gore.com/sealants).

**FOR INDUSTRIAL USE ONLY. Not for use in food, drug, cosmetic or medical device manufacturing, processing, or packaging operations.**

All technical information and advice given here is based on Gore's previous experiences and/or test results. Gore gives this information to the best of its knowledge, but assumes 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. The above information is subject to change and is not to be used for specification purposes. Gore's terms and conditions of sale apply to the sale of the products by Gore.

GORE, *Together, improving life* and designs are trademarks of W. L. Gore & Associates. © 2015–2022 W. L. Gore & Associates GmbH

PLEASE VISIT [GORE.COM/SEALANTS](http://GORE.COM/SEALANTS) TO FIND CONTACT DETAILS FOR ALL LOCAL SALES OFFICES.

North America/South America  
**W. L. Gore & Associates, Inc.**  
 (USA)  
 T +1 800 654 4229  
 F +1 410 506 8585  
 E [sealants@wlgore.com](mailto:sealants@wlgore.com)

Europe/Middle East/Russia/Africa  
**W. L. Gore & Associates GmbH**  
 (Germany)  
 T +49 89 4612 2215  
 F +49 89 4612 43780  
 E [sealants\\_EU@wlgore.com](mailto:sealants_EU@wlgore.com)

Asia/Australia  
**W. L. Gore & Associates Technologies**  
 (Shenzhen) Co., Ltd. Shanghai Branch  
 T +86 21 5172 8299  
 F +86 21 6247 9199  
 E [sealants\\_AP@wlgore.com](mailto:sealants_AP@wlgore.com)

