GORE® Joint Sealant DF

Gasket for large diameter flanges
Outstanding sealing reliability

GORE® Joint Sealant DF is engineered for the reliable sealing of large, complex or damaged flanges.

GORE® Joint Sealant DF is made from virgin, mono-directionally expanded PTFE (ePTFE). After compression this gasketing material forms a thin sealing film that is highly resistant to creep and cold flow. This produces a durable gasket which reduces the risk of leakage, unplanned downtime and loss of output.

Installation of **GORE® Joint Sealant DF** is extremely easy. The gasket is simply stuck onto the flange surface with the ends overlapped. Time spent on installation is thus reduced to a minimum.

The **GORE® Joint Sealant DF** ensures an effective, enduring, and cost-effective seal, making a valuable contribution towards keeping your production and manufacturing processes optimised.

Technical data

Material
100 % expanded PTFE (ePTFE) with monodirectionally oriented fibril structure.

Temperature range of the material
-268 °C to +315 °C/-450 °F to +600 °F

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 ageing within the material's temperature range, UV-resistant and can be stored indefinitely.
Storage of more than 12 months after delivery of the product may result in decline of adhesive strength.

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

Operating range
The maximum applicable pressure as well as the maximum safe operating temperature depend mainly on the equipment. Standard pressures range from full vacuum to 40 bar.

Key features
- 100 % expanded PTFE (ePTFE)
- Chemically resistant
- Temperature resistant
- Resistant to creep and cold flow

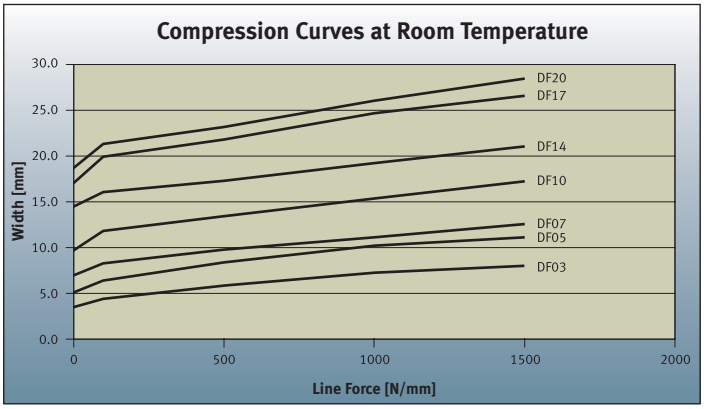
Key benefits
- Reliable sealing performance
- Supports process optimization
- Wide range of applications, can be used with virtually any media
- Easy to install
- No wasteful scrap

Typical applications
- Large and complex flange dimensions
- Damaged flanges
- Aggressive media

Tests and certificates
- EN 13555
- BAM
- TA Luft
- DVGW

Tesa®

GORE® Joint Sealant DF



Available Sizes and Size Selection

Type	Nominal Width [mm]	Length Per Spool [m] 5	10	25	50	For Effective Sealing Width [mm]
DF01*	1			✓	✓	
DF03	3		✓	✓	✓	3-7
DF05	5		✓	✓	✓	7-10
DF07	7		✓	✓	✓	10-17
DF10	10		✓	✓	✓	17-25
DF14	14		✓	✓	✓	25-40
DF17	17	✓	✓	✓		40-50
DF20	20	✓	✓	✓		50-65
DF25	25	✓	✓			65+

* Not supplied with an adhesive backing strip.

Installation Line Force for Leakage Class $L_{0.1}$

Type	DF03	DF05	DF07	DF10	DF14	DF17	DF20
$Q^*_{min(0.1)}$ [N/mm]	95	139	181	252	336	418	431

Test following EN 13555.
Our technical bulletins about the product provide further details.

In order to get the required installation force, simply multiply the line force with the length of the **GORE® Joint Sealant DF.**

Other Tests

GORE® Joint Sealant DF has been tested by BAM (Bundesanstalt für Materialforschung und -prüfung) for application with oxygen. It is suitable for use in applications with gaseous oxygen at a maximum pressure of 40 bar and a maximum temperature of 60 °C.
The gasket has also been tested by DVGW (Deutscher Verein des Gas- und Wasserfaches e.V.).
For detailed information and test reports, please contact your local Gore representative.

Gasket Parameters/USA
m = 1.5 Y = 2500 psi

Quality Assurance

The GORE Quality Management System has been certified by DQS in accordance with ISO 9001. Component suppliers are also integrated into this system.

Quality Management DQS ISO 9001:2000
REG. NR. 3567-01
by W. L. Gore & Associates GmbH certified according to DIN ISO 9001:2000

Ordering Text

GORE® Joint Sealant DF, width (mm), spool length (m), number of units

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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IP-DT/1069E 09.10/GB

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