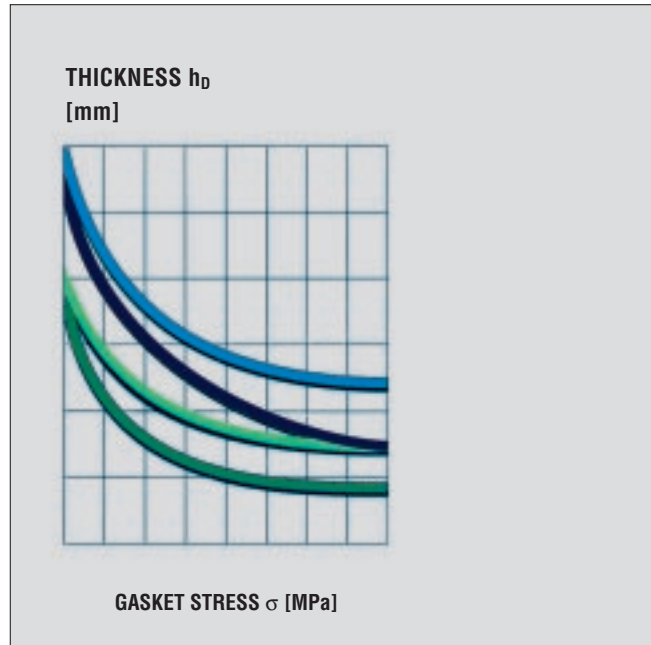
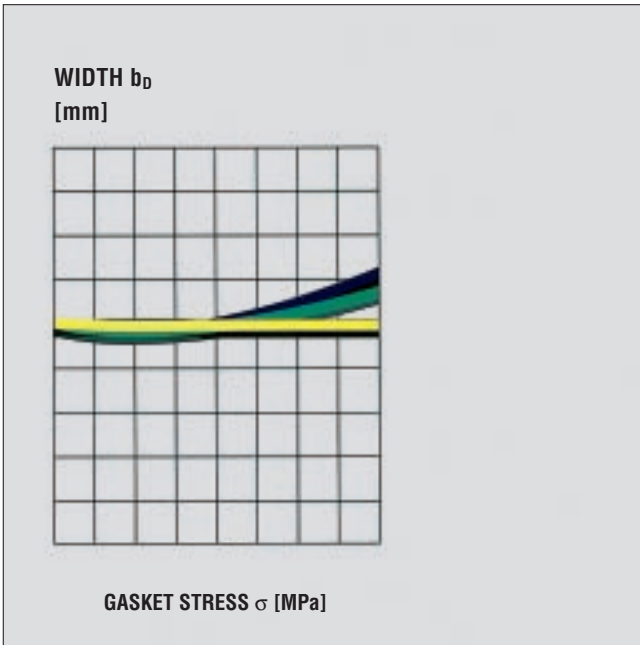


Deformation of Gaskets Cut from GORE-TEX GR® Sheet Gasketing



Available Sizes

GORE-TEX GR® sheet gasketing is available from stock in the following Sizes:

Type	Size l x w [mm]	Thickness [mm]
GORE-TEX GR® 05	1524 x 1524	0,5
GORE-TEX GR® 10	1524 x 1524	1,0
GORE-TEX GR® 15	1524 x 1524	1,6
GORE-TEX GR® 20	1524 x 1524	2,0
GORE-TEX GR® 30	1524 x 1524	3,2
GORE-TEX GR® 60	1524 x 1524	6,4

On request we can deliver pre-cut gaskets in any desired shape and quantity, this includes partially precompressed gaskets for applications with low bolt loads, such as FRP pipe-work.

Installation Guide

Working with the Material

The material is so soft it can be easily cut with scissors or a knife.

Clean the flange faces and lay on the gasket. Imperfections in the flange face can be compensated. For severe distortion it may be necessary to use GORE-TEX® DE sealant in addition.

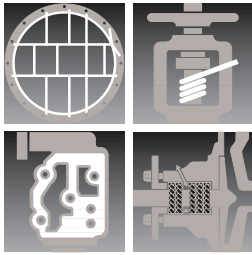
Ordering Details

GORE-TEX GR® sheet gasketing, according DIN 28091, TF-0-0.

Dimensions: 1524 x 1524 x thickness [in mm].

For pre-cut gaskets, give sheet gasket type, dimensions and number of pieces.

Supplied by:



GORE-SEALANT TECHNOLOGIES

GORE-TEX GR® Sheet Gasketing *PRODUCT INFORMATION*



GORE-TEX GR® sheet gasketing material is manufactured using Gore's unique, proprietary expanded polytetrafluoroethylene (ePTFE) process. Its multi-directional strength inhibits creep and cold flow and also limits the possibility of blow out.

GORE-TEX GR® sheet gasketing is ideal for rough or damaged flange faces. Once installed GORE-TEX GR® gaskets seldom need retorquing and give long lasting performance. Universal chemical resistance allows gaskets cut from GORE-TEX GR® sheet to be used in virtually any application. Excellent results can be achieved with limited bolt-forces and irregular or fragile flanges, e.g. glass or plastic.

The gaskets are suitable for insertion in pipeline joints. Sheet dimensions are shown overleaf.

Technical Data

Material

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

Temperature Range

-240 °C to +270 °C, to +315 °C for short periods (33 K to 543 K, to 588 K for short periods)

Chemical Resistance

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

Physiological Safety

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

Stability

GORE-TEX GR® sheet gasketing is not subject to ageing and can be stored indefinitely.

Stress to Seal Performance

$K_0 K_D$ to 40 bar 24,5 x b_D
 K_1 2,5 x b_D

Maximum Permissible Gasket Stress

150 N/mm²

Pressure

Maximum 210 bar, depending on use and installation.

Test data according to DIN 28090 and 28091, as well as ASME, are available on request.

Typical installations for gaskets cut from GORE-TEX GR® Sheet Gasketing

- complex gasket shapes
- gaskets with very small dimensions
- pipe flange gaskets
- applications where a full-faced covering of the flange is needed
- flanges with precise geometries
- stock item for maintenance purposes, gaskets can be made on the spot by cutting with scissors or a knife
- cut gaskets for OEM's
- for glass-lined steel, glass and graphite flanges

Quality Assurance

This forms the basis of the high level of quality of GORE-TEX® sealants.



The GORE Quality Control system is certified according to DIN EN ISO 9001 by DQS. Component suppliers are also integrated into this system.

