



 **Lidering**
SAFE INDUSTRY

GLOSTER - FLON[®] 100% EXPANDED PTFE GASKET



Technical Characteristics

Composition:

100% PTFE

Chemical resistance:

Impervious to attack by most corrosive agents (pH 0-14) and solvents, except for alkali metals in a melted state, fluorine and fluorinated gases at high temperatures.

Physical characteristics:

Tasteless and odourless up to 260°C, hydrophobic and without elongation.

Temperature resistance:

-240° C up to 270° C.

Resistance to vacuum:

Helium leak level.
 3×10^{-8} mbar x l x SΔp = 1 bar

Relative density:

Approx. 2,2 gr/cm³.

Breaking strength:

Approx. 500 N/mm².

Linear expansion coefficient:

(25°C - 150°C)
 (288°K - 423°K) 13×10^{-5} x K⁻¹ J x 10³

Use pressures:

120 bar on flat surfaces and
 200 bar on grooved surfaces.

Overview

The Gloster-Flon® gasket is manufactured out of 100% expanded PTFE and is therefore flexible, shapable and resistant to all chemical products. Its special structure allows it to be used on static, rough, scratched or corroded surfaces.

Once compressed, it forms an extremely hard and thin seal that withstands high pressures and temperatures.

The Gloster-Flon® gasket has an adhesive strip to facilitate installation on vertical or irregularly shaped surfaces.

It does not degrade over time, and it is resistant to ageing and is non-toxic.

Available Measurements

Presented on spools with the following measurements and lengths:

Width (mm)	Thickness (mm)	Spool length (Mm)
3±0,5	2±0,5	30
5±1	2±0,5	25
7±1	2,5±0,5	15
10±1,5	3±1	10
14±1,5	5±1,5	5
17±1,5	6±1,5	5
20±2	7±1,5	5
25±2	8±1,5	5



Selection of the gasket's width depends on the condition of the surface to be sealed and not on its dimension (see the attached table).

		Nominal width (mm)	3	5	7	10	14	17	20	25
		Nominal thickness (mm)	2	2,0	2,5	3,0	5,0	6,0	7,0	8
Contact pressure: 5 N/mm ²	width after tightening (mm)		3,5	5,5	8	12	17	21	24	35
	thickness after tightening (mm)		0,55	0,9	1,1	1,4	2	2,2	2,8	3,5
Contact pressure: 10 N/mm ²	width after tightening (mm)		4	6	9	13	19	23	26	40
	thickness after tightening (mm)		0,4	0,5	0,9	1,1	1,5	1,8	2,4	2,8
Contact pressure: 20 N/mm ²	width after tightening (mm)		4,5	7	11	16	25	31	33	46
	thickness after tightening (mm)		0,3	0,4	0,6	0,7	1	1,2	1,7	2,3
Contact pressure: 30 N/mm ²	width after tightening (mm)		5	8	14	20	30	37	40	50
	thickness after tightening (mm)		0,25	0,3	0,4	0,5	0,8	0,9	1,1	1,9

Installation

1. Carefully clean the surfaces to be sealed.
2. Remove the adhesive tape protector. Install the Gloster-Flon[®] gasket by pressing it in the centre of the flange or surface to be sealed.
3. Cut the necessary length and cross the ends next to a bolt (as shown in the photo).
4. Tighten the flange bolts evenly. It is not necessary to apply considerable torque in order to achieve a perfect seal.



Applications

- Flanges.
- Heat exchangers.
- Pumps and valves.
- Hydraulic or pneumatic systems.
- Ceramic, glass or graphite joints.
- Compressors and turbines.
- Chemical reactors and agitators.
- Boilers and steam systems.
- Any static application where a long-lasting joint with high chemical resistance is required.



Lidering S.A.

España

Ventas nacionales: 93 480 44 00 - 91 636 41 04
International sales: +34 93 480 44 22

Lidering S.A.R.L.

France

Tél: 04 72 67 02 67

Lidering GmbH

Deutschland

Tel. 0211 522 890 94

S.A. Lidering N.V.

Belgique - België

Tél: 00 34 93 480 44 22

www.lidering.com
email: info@lidering.com