monoFlon®

FluorTex® Polymer Technology

Joint Sealant
Style F - PRO / GMP / ECO

monodirectionally expanded PTFE Joint Sealant



monoFlon® Joint Sealant Gasket Tape is made from 100% pure expanded **P**oly**T**etra**F**luoro**E**thylene (ePTFE).

The universal gasketing forms a thin yet strong and reliable gasket under compression that is highly resistant to aggressive media and chemically inert.

Even for the sealing of large, complex and damaged flanges - just peel off the covering paper from the adhesive backing and stick the gasketing to the sealing surface - overlap the end and close the joint.

monoFlon® Style F - ECO is the economic sealing solution with self-adhesive backing, for all standard applications.
monoFlon® Style F - PRO is equipped with a high-performance acrylic adhesive that provides an ideal adhesion to the component surface and guards against needless contamination of the application.
monoFlon® Style F - PRO GMP fits to the high demands for food contact materials.
monoFlon® Style R has a round cross-section and consists only of pure expanded PTFE without adhesive.

Typical Applications

Components
expansion joints, machine housing, apparatus flanges, hand and manholes

Flanges
all types of flanges, large and complex geometries

Sealing Areas and Flange Materials
steel, aluminium, graphite, rubber-lined components

DVGW · EC 1935/2004 · FDA · BAM

Key Features

- chemically inert
  (for use with alkali metals and elemental fluorine ask our technical service)
- highly compressible
- easy and quick installation
- reliable and long lasting
- ideal for large and complex sealing surfaces
- reduces scrap and sealing costs
- PTFE fulfils fire classification V-0 according to UL 94
- LOI LiimitingOxygenIndex 95%
- Style F PRO / Style R - GMP meets the requirements for materials that are intended to come in contact with foodstuffs

Approvals and Certificates

- FDA 21 CFR 177.1550 (PTFE)
- EC 1935/2004 and related regulations for extraction limits and GMP
- BAM for gaseous oxygen
- DVGW - DIN 30654 Reg.-No.: NG-5127DQ0749

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monoFlon® Joint Sealent

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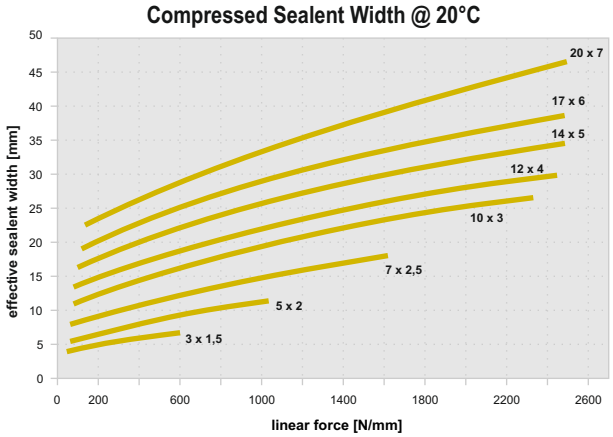
Technical Data

Material	100 % pure, monodirectionally expanded PTFE (ePTFE)
Temperature Resistance of the Sealing Material	-240°C to +270°C, intermittent to +315°C
Chemical Resistance	Chemical resistance to all media pH 0 to 14, except molten alkali metals and elemental fluorine
Recommended Application Range	Vacuum up to 68 bar (1000 psig) depending on the installation parameters

Joint Sealant Sizes

	Standard Spool Lengths (others on request)			
Size [mm]	5 m	10 m	25 m	50 m
3 x 1,5			X	X
5 x 2			X	X
7 x 2,5			X	X
10 x 3		X	X	X
12 x 4		X	X	X
14 x 5		X	X	
17 x 6	X	X	X	
20 x 7	X	X	X	
25 x 5	X	X	X	
28 x 5	X	X		
ePTFE Joint Sealent Style R				
Ø1 to Ø15	X	X	X	

Characteristics



Assembly in standard flange joints



fig. 1

Assembly in fragile flange joints

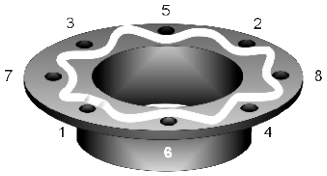


fig. 2

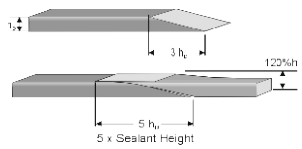


fig. 3

Assembly with skiving technique in fragile flanges and sizes > 17 x 6 mm

Installation

Completely clean the sealing area and remove any dirt, corrosion, oil or residue from old gasket material.

Cut one end of the sealing tape and remove a small section of the protective paper.

Place the tape at the nearest possible position next to the bolts, starting next to a bolt hole.

Fit the gasket around the entire flange circumference and cross the ends as shown in figure 1.

For assembly in fragile flanges, apply the techniques as shown in figure 2. Skive the ends as shown in fig. 3 and overlap them according to the recommended overlap length. Cut off the excess, tapering to the end, leaving a total thickness of approx. 120 %.

At least 4 progressive torque sequences with a torque wrench, in a 180° star pattern (fig. 1), should follow the first torque by hand.

Lastly perform a circular torque to check and ensure a tight and long-lasting seal.

All technical information and advice are based on our experience and are to the best of our knowledge, but do not state any liability by our company.
Specifications and values must always be checked by the customers, for they are the only ones that can judge the efficiency of a product taking into account all of the on site operating conditions.

® FluorTex® ist eine eingetragene Marke
monoFlon Joint Sealent Style F 260907 en

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Made in Bavaria Germany

FluorTex GmbH Polymer Technology

FluorTex GmbH - Polymer Technology
Wasserburger Str. 2 - 83543 Rott am Inn - Germany
Tel.: +49-8039-909649-0 - Fax: +49-8039-909649-99
email: info@fluortex.eu - www.fluortex.eu