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, but yet strong, 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 of the covering paper from the adhesive backing and stick the gasketing to the sealing surface - overlap the ending and close the jointing.

monoFlon® Style F - ECO is the economic sealing solution with self adhesive backing, for all standard applications.
monoFlon® Style F - PRO is equiped with a high performance hot melt adhesive that provides an ideal adesion to the component surface and guards againts 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 (for TRD 401 please contact our technical service)

Flanges
all types of flanges, large and complex geometries

Sealing Areas and Flange Materials
steel, alluminium, graphite, rubber lined components

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 fullfills fire classification V-0 according to UL94
- LOI LiquidOxygenIndex 95%
- Style F PRO -GMP meets the requirements for materials that are intended to come in contact with foodstuffs

Approvals and Certificates

- FDA 21 CFR 177.1550 (PTFE)
- FDA 21 CFR 175.105 (adhesive)
- EC1935 and relating regulations for extraction limits and GMP
- BAM for gaseous Oxygen
- EU 1907/2006 (REACH) with Annex XVII and it‘s amendment
- DIN EN ISO 9001:2015 (certified by TÜV Süd)
- DVGW - VP403 Reg.-Nr. : DG-5127CL0032

© 2024 FluorTex GmbH

monoFlon® Joint Sealent
Style F - PRO / GMP / ECO

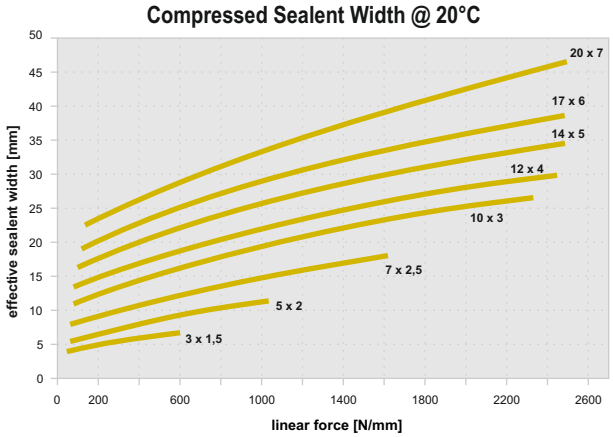
Technical Data

Material	100 % pure, multidirectionally 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 jointings

fig. 1

Assembly in fragile jointings

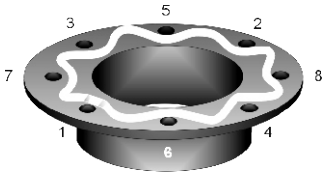


fig. 2

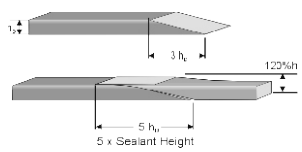


fig. 3

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 leftover from old gasket material.

Cut one ending of the sealing tape and remove just a little of the protecting 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 endings as shown in figure 1.

Assembled in fragile flanges apply techniques as shown in figure 2. Skive the endings as shown in fig. 3 and overlap 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 star of 180° (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 240802 en

© 2024 FluorTex GmbH

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