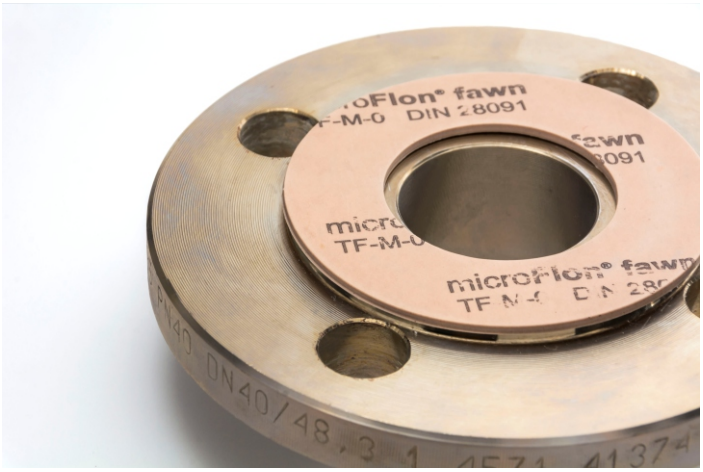
microFlon®

FluorTex®
Polymer Technology

fawn

Reinforced PTFE Gasket Sheet

universal microstructured filled PTFE Gasketing



microFlon® fawn is the universal PTFE gasket for chemical and petrochemical industries.

Due to the silica reinforcement **microFlon® fawn** has an excellent creep resistance and good relaxation factors, even at higher temperatures.

The very dense and uniform structure makes it the ideal gasket for high demands in emission control.

Even at low torque and applicable operating gasket stress, **microFlon® fawn** offers reliable safety and lowest leakage rates.

Typical Applications

Components
Piping systems, apparatus flanges, temperature stressed components

Flange Types
Steel flanges

Media
Highly agressive chemicals, all media in chemical and petrochemical applications

REACH COMPLIANCE · EC1935/2004 · FDA · TA Luft certified

Key Features

- 100 % virgin PTFE reinforced with inorganic filler
- good stability at thermal stress
- chemically inert (except for molten or dissolved alkali metals and elemental fluorine gas - please contact our technical service for questions)
- suitable for high temperatures applications up to +230 °C
- resistant to "cold flow"
- high recovery
- good electrical properties
- resistant to ageing

Approvals and Certificates

- tested according to TA-Luft (VDI 2440) up to 250 °C and VDI 2290 @ 23 °C and 40 bar
- FDA 21 CFR 177.1550 (PTFE)
- FDA 21 CFR 170.30(b) (SiO_2)
- Migration Limits according EC1935 / EC10-2011
- EU 1907/2006 (REACH) with Annex XVII and it´s amendments

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microFlon® fawn

Reinforced PTFE Gasket Sheet

Technical Data

Material	100 % virgin PTFE, filled with inorganic silica
Temperature Resistance of the Sealing Material	-210°C to +260°C
Chemical Resistance	Chemical resistance to all media pH 0 to 14, except for molten and dissolved alkali metals and elemental fluorine gas at high temperatures and pressures
Recommended Application Range	Vacuum up to 68 bar (1000 psig) depending on the installation parameters

Properties

EN 13555 (2 mm Thickness)	
Qmin (40 bar He; 0,01 mg/(s*m))	16 MPa
*Q_{smin} (Q_A=40 MPa; 40 bar He; L=0,01)	< 10 Mpa
QSmax (at ambient temperature)	120 MPa
PQR at 150°C (QA=30 MPa)	0,73

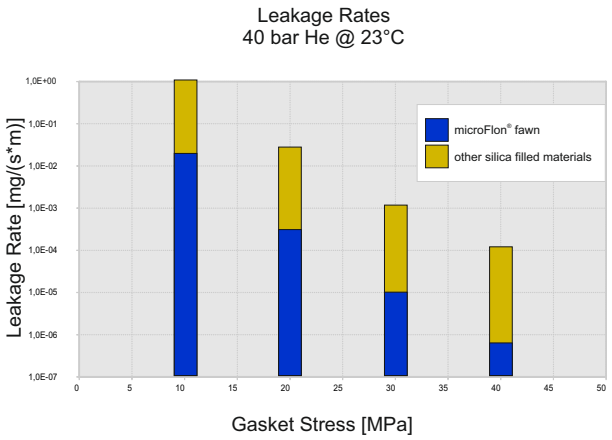
*Due to a series of practical tests it appeared that the minimum required gasket stress during operation is generallly lower than the minimal specified gasket stress according to EN 13555.
Therefor in practice we calculate with QSmin = 5 Mpa at controlled assembly.

ASTM F36	
Compressibility	12 %
Recovery	> 40 %

M-Value	3,5
Y-Value	2450 psi

Density	2,2 g/cm³
electrical insulation resistance (T=1,5mm; A=4200mm²; U=500 V)	> 100 MΩ

Leakage Characteristics



At applicable gasket stress in DIN flanges, **microFlon® fawn** gaskets offer 100 times lower leakage rates than comparable competitors materials (Qmin values according EN 13555).

Standard Sizes

Type	Size [mm]	Thickness [mm]
microFlon® fawn 05	1500 x 1500	0,5 mm
microFlon® fawn 10	1500 x 1500	1 mm
microFlon® fawn 15	1500 x 1500	1,5 mm
microFlon® fawn 20	1500 x 1500	2 mm
microFlon® fawn 30	1500 x 1500	3 mm

Made in Bavaria Germany

FluorTex GmbH Polymer Technology

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. For detailed selection criteria, technical assistance and installation guidelines contact our technical Service.

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microFlon fawn 260312 en

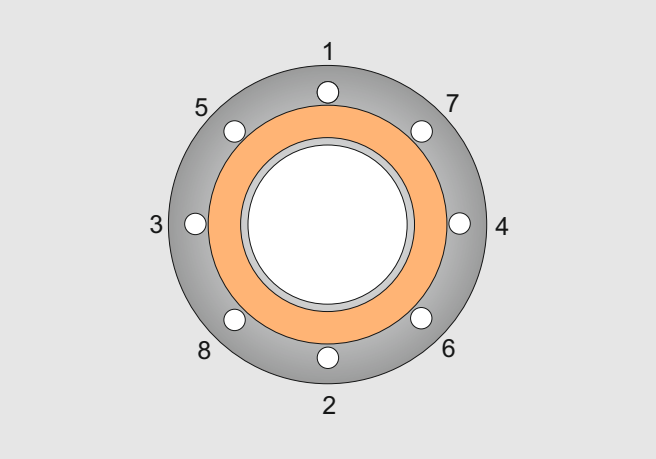
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Assembly

Clean sealing surface completely. Remove any dirt, corrosion, grease or left-over from old sealing materials.
Center gasket on the sealing surface and torque bolts hand-tight.
At least 4 progressive torque sequences with a torque wrench should follow, until you reach the recommended gasket stress.
Always torque crosswise as shown in the sketch (see left).
Perform a circular torque check before start-up of the equipment.
Always follow the state-of-the-art guidelines for gasket assembly as well as the recommended torque for your sealing system.

If you need idividual calculations for special equipment or non-standard gasket sizes contact our Technical Support.



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