



D 3.4 ProFlon Blue

Static, Sintered PTFE Sheet Gaskets

Characteristics

- Microcellular structured PTFE filled with hollow glass microspheres
- High sealability even at low gasket stress
- Minimized cold flow
- Very good recovery
- High compressibility and adaptability even at slightly damaged flanges

Operating range

p_{max} [bar]	Vakuum . . . 55
$t^{\circ}C$	-210 . . . +260
pH	0 - 14

Recommended application range: vacuum up to 55 bar at -210 °C to +200 °C

Main application

- Steel-, Glass-, Ceramic-, glass lined or plastic flanges on pipework
- Vessel
- Container
- Reactors
- Universally on all tension sensitive equipment flanges.

Suitable for

- Chemical industry
- Pharmaceutical industry
- Food industry

Approvals

- DVGW
- TA Luft
- FDA
- EG 1935:2004, EU 10/2011



Variant

D 3.1 Modified PTFE:
Reduced deformation under pressure, better resilience under varying pressure, reduced thermal expansion coefficient (approx. 50%)

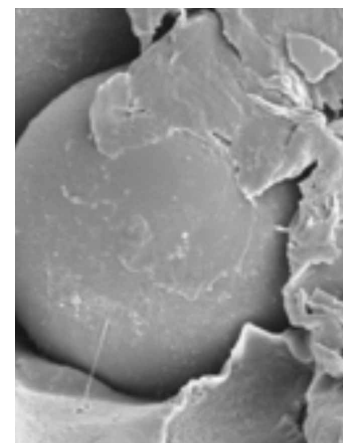
D 3.2 Glas:
Improved compression strength due to glass fiber reinforcement (25%)

Article code / Thickness

- D 3.4 BLUE 05 / 0,5 mm
- D 3.4 BLUE 08 / 0,8 mm
- D 3.4 BLUE 10 / 1,0 mm
- D 3.4 BLUE 15 / 1,5 mm
- D 3.4 BLUE 20 / 2,0 mm
- D 3.4 BLUE 30 / 3,0 mm

Form of delivery

Gasket sheet size of 1,500 x 1,500 mm in thickness of 0.5/0.8/1.0/1.5/2.0/3.0 mm or cut gaskets according to drawing or EN and international Standards, special dimensions on request.

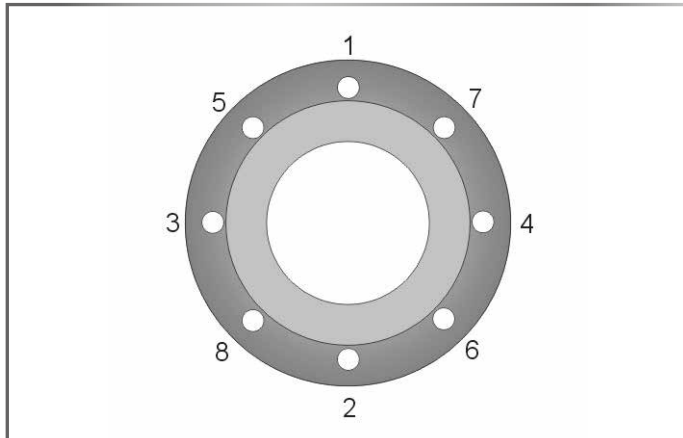


Microscopic view

All technical information and advice is based on our experience and will be given most conscientiously but without any liability.

Indication and figures are for guidance only and need to be examined by the user. All sizes are subject to manufacturing tolerances. We reserve the right to modify specifications at any time.

Please note that the technical values cannot be used all at the same time in their maximum values.



Installation

Clean sealing surface completely. Remove any dirt, corrosion, grease or remainders from old sealing materials.

- Position gasket centric on the sealing surface. Take extra care on vertical assemblies. First tighten bolts finger-tight.

Then continue at least with 4 progressive torque sequences with a torque wrench, always torque crosswise as shown in the sketch (see fig. 1). Apply 25%, 50%, 75% and 100% of the recommended gasket stress.

- Always follow the state-of-the-art guidelines for gasket assembly as well as the recommended torque for your sealing system.

- Notes of the flange manufacturer and recommended torques for the sealing system (flange, bolt, gasket) need to be followed.

Gasket sheets technical data

	Compressibility ASTM F36 %	Recovery ASTM F36 %	PQR EN13555	Pressure [*] max [*] bar	Temp (Material) [*] max [*] °C	Material	Q _{min} EN13555 (MPa)	Q _{Smin} EN13555 (MPa)	Q _{Smax} EN13555 (MPa)
D 3.4 ProFlon Blue	30	35	0.45 @ 150 °C; QA=30MPa	55	260	sPTFE with Microglas	<15	<5	NA

^{*}The max values of pressure and temperature cannot be used at the same time

The provided Pressure and Temperature data is based on optimal installation condition and steady control of the flange connection

Gasket properties following EN 13555 (2 mm thickness) Q_{min}@40 bar He, 0.01 mg/(ms) and Q_{Smin}@QA 40 Mpa He, L=0.01

(1) Q_{Smin} @ QA 30 MPa, 40 bar He, L=0.01

(2) Q_{Smin} @ QA 60 MPa, 40 bar He, L=0.01

Q_{Smax} @ RT

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