ProPack
DICHTUNGEN UND PACKUNGEN AG

Worldwide your competent partner for **Sealing Technology**

D 5.3 ProGraph

Sheet gasket from expanded graphite with multilayer stainless steel foil reinforcement

Characteristics

- Premium graphite gasket, reinforced by 0.05 mm multilayer stainless steel carriers in an adhesive free sandwich compound with the graphite layers.
- Purity 98 %
- High blow out safety and mechanical strength
- Practically no cold flow or creep under temperature
- Non hardening
- Excellent in use at cycling temperatures
- Reduced Emissions due to high sealability
- Built in safety against assembly and operational problems.

Operating range

p_{max} [bar]	250
t °C	-250 . . . +550
pH	0 - 14

Temperature: in oxidizing atmosphere +450 °C

Main application

Highly recognised as problem solving gasket material in all industries with higher pressures and temperatures and the demand on operation safety and sealability

Suitable for

- In all industries

Approvals

- BAM
- DVGW
- FIRE SAFE API 6FB

Form of delivery

- Gasket sheet size of 1,000 x 1,000 mm in thickness of 1.0 / 1.5 / 2.0 / 3.0 mm or cut gaskets according to drawing, or EN and international Standards.
- Special dimensions on request.

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.

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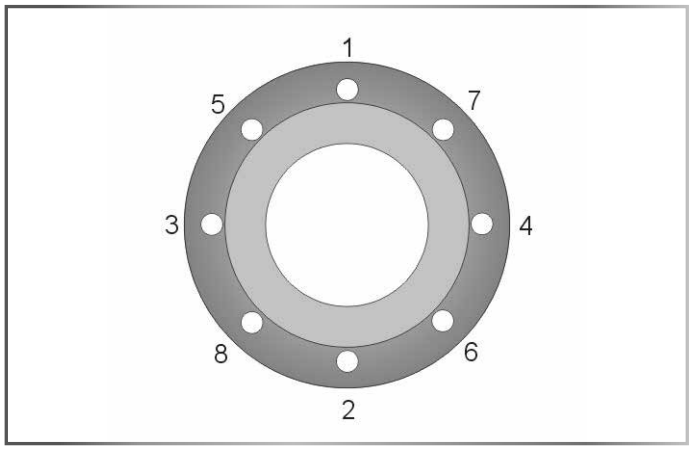

Installation

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 recomended 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 recomended 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 5.3 ProGraph	35	20	--	250	550	expanded graphite with multilayer stainless steel foil	--	--	--

***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 connnection

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

-- = not available

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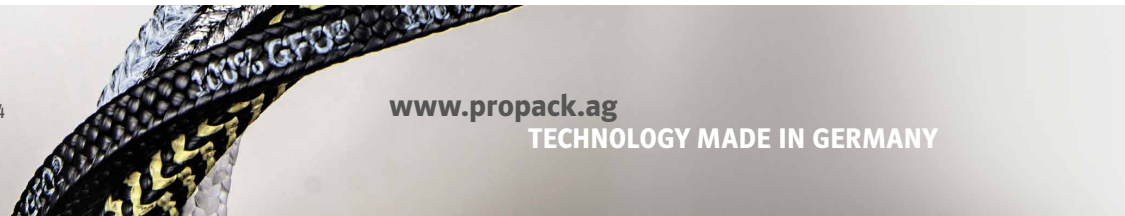

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