

POWER[®]graf 4 PREMIUM

DATASHEET



GRAFTECH (UCAR) GRAFOIL with corrosion inhibitor.

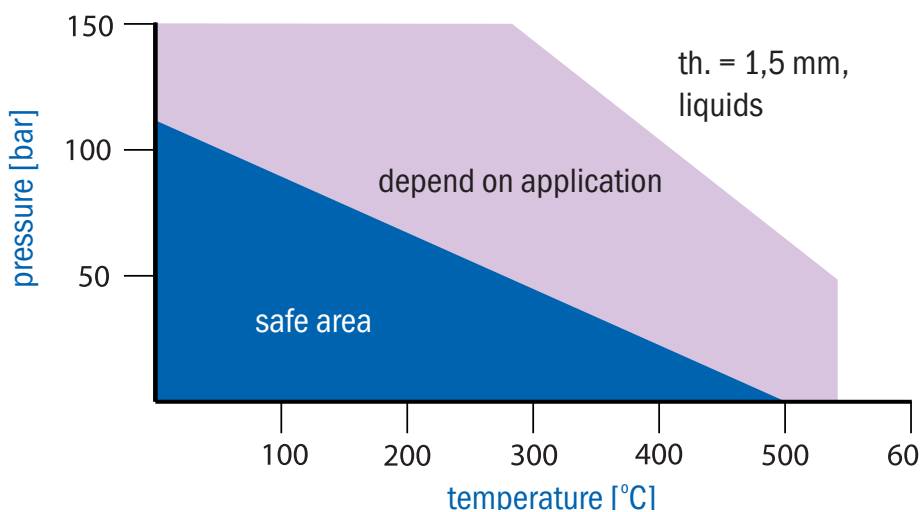
Stainless steel flat sheet 0,05 mm reinforcement; material AISI 316

For medium and high pressures. Increases a blow-out resistance. It resists to higher load of the gasket. Suitable for use in chemical and petrochemical industry and energetics.

Sheet dimensions: 1000 x 1000 mm, on request 1500 x 1500 mm.
Thickness: 0,6; 0,8; 1,0; 1,5; 2,0; 3,0 mm

TYPICAL PHYSICAL PROPERTIES

Max. permanent operating temp. - oxidising atmosphere	+500 °C
Max. permanent operating temp. - steam	+650 °C
Max. permanent operating temp. - inert	+850 °C
Max. operating pressure	130 bar
Compressibility (ASTM F 36 A)	28 - 42 %
Backspring	13 - 19 %
Foil density	1,0 - 1,12 g/cm ³
Graphite purity	min. 98,5 %
Leachable chlorides	< 40 ppm
Sulphure content	< 800 ppm
Weight loss (12 hr @ 400 °C)	< 0,095 mg/cm ³
Sealability (DIN 3535) - thickness < 0,63 mm	0,25 ml/hr
Gas leakage (DIN 3535) - thickness 0,63 až 1,00 mm	0,45 ml/hr
Minimal nominal pressure σ_{vu}	20 MPa
Maximal nominal pressure σ_{vo}	130 MPa
Maximal nominal pressure in operation σ_{BO}	120 MPa
„m“ ($\sigma_{BO} = p \times m$)	1,3



Pokorný, spol. s r. o.
Pod sídlištěm 1, 636 00 Brno
Czech Republic
tel.: +420 548 321 534
fax: +420 548 216 240
e-mail: pokorny.office@tesneni.cz

All datas are based on our measurements and our experience and are only informative. All parameters stated are subject of interaction and in limit applications have to be consulted. The manufacturer is not responsible for a wrong datas interpretation and a wrong gasket application. All datas and informations are an intellectual property of co. Pokorný, Ltd. Any reproduction, copying, and using the datas from this catalogue are subject of co. Pokorný, Ltd. approval.

www.seals.cz



ISO 9001:2000