PG-ML
Technical Datasheet

PG-ML is a multi-layer material in which layers of exfoliated graphite are mechanically bonded to a 316 stainless steel foil, without the use of an adhesive. Available in Full Face (FF), Inner Bolt Circle (IBC) or Custom Made (CM). We accommodate bespoke shapes and sizes, and can reverse engineer from existing gaskets or product faces. Just get in touch.

IBC FF CM

Application

PG-ML has outstanding mechanical strength and can be used to seal high internal pressures and temperatures. Its ability to resist high loads makes it ideal for tongue and groove and heat exchanger flanges or in hazardous applications where resistance to blow out is paramount.

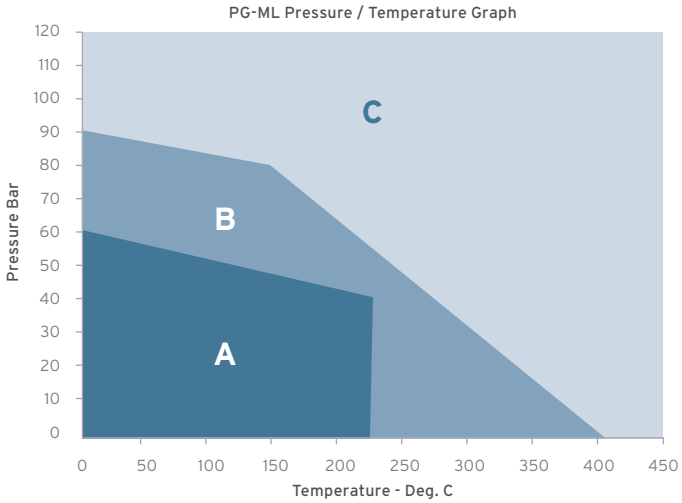
Typical Physical Properties

Thickness		1.5mm
Density		1.1g/cc
Insert Thickness		0.05mm
Compression	ASTM F36J	35%
Recovery	ASTM F36J	20%
Residual Stress	DIN 52913	>48 MPa
Gas Leakage	DIN-3535-4	0.4 ml/min
Ash Content	DIN 51903	≤ 2%
Chloride Content		≤ 25ppm max
Min Temperature		-250°C

Availability

Thickness	1.0mm to 4.0mm
Sheet Size	1000mm x 1000mm, 1500mm x 1500mm
Insert	316 as standard. Other materials available on request
Colour	Black

Service



A = Suitable subject to chemical compatibility

B = Please contact our Technical Team

C = Not Suitable

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