



PG-ML Technical Datasheet

Description

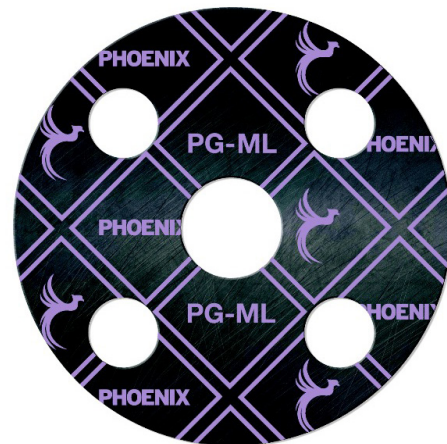
PG-ML is a multi-layer material in which layers of exfoliated graphite are mechanically bonded to a 316 stainless steel foil, without the use of an adhesive.

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

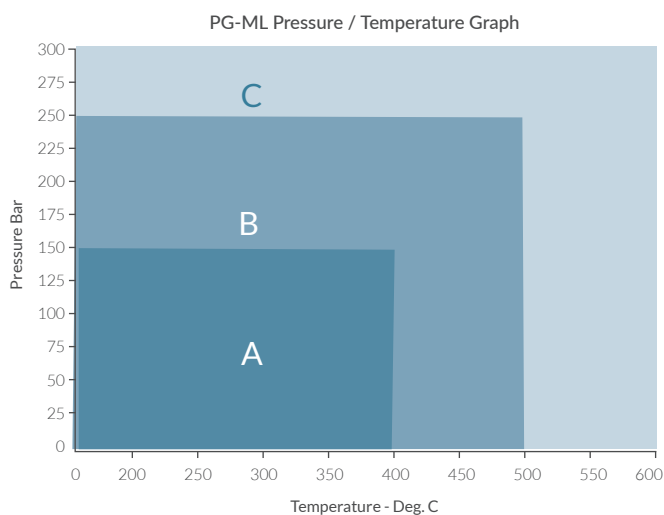
Thickness		1.5mm
Density		1.1g/cc
Insert Thickness		0.1mm
Compression	ASTM F36J	35%
Recovery	ASTM F36J	20%
Residual Stress	DIN 52913	>48 MPa
Gas leakage	DIN-3535-4	0.4 ml/min
Ash Content	DIN 51903	≤ 2%
Chloride Content		≤ 25ppm max
Min Temperature		-250 Deg. C



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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