

PG-T Datasheet

Description:

PG-T is a high quality graphite laminate material in which exfoliated graphite is mechanically bonded to a 316 stainless steel tanged insert.

Application:

PG-T has excellent mechanical strength, a wide temperature range and outstanding stress retention properties and is ideal for demanding applications. It can seal a wide range of fluids including steam, hydrocarbons and most chemicals.

Availability:

Thickness: 1.0mm to 3.0mm

Sheet Size : 1500mm X 1500mm, 1000mm X 1000mm

Colour: Black.

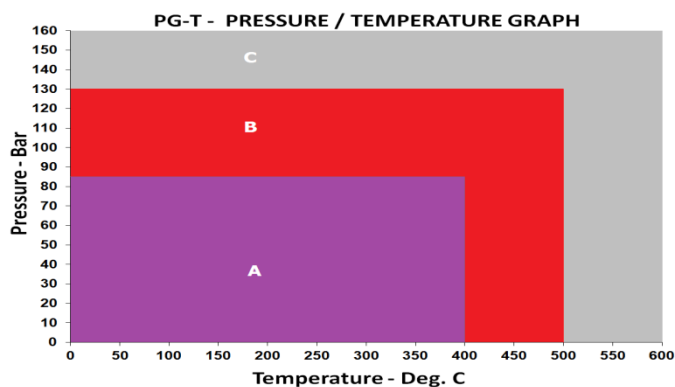
Availability: 316L as standard. Other materials, including 31803 and 321 are available on request.



Typical Physical Properties:

| | | |
|------------------|--------------------------------------|--------------|
| Thickness | | 1.5mm |
| Density | | 1.0 g/cc |
| Insert Thickness | | 0.1mm |
| Compression | ASTM F36 J | 30% to 37% |
| Recovery | ASTM F36 J | 20% |
| Residual Stress | BS7531 (40N/mm ² @ 300°C) | 37 MPa |
| Gas Leakage | BS7531 | <1.0 ml/min |
| Ash Content | | 1.0% max |
| Chloride Content | | 45 ppm max |
| Sulphur Content | | 1200 ppm max |
| y value | ASME | 20.7 MPa |
| m value | ASME | 2.5 |

Service:



A = Suitable subject to chemical compatibility.

B = Please contact our Technical Team.

C = Not Suitable

As the company's products are used in multiple applications and as the company has no control over the method of their use, the company excludes all conditions or warranties, expressed or implied by statute or otherwise. Any technical co-operation is given for customer assistance only and without liability on the part of the company.

