

Matrix CPG® is a superior performance biaxially oriented PTFE gasket material with a unique corrugation profile. The material has been specially formulated to accept this corrugated effect.

APPLICATIONS

Matrix CPG® is ideal for glass lined, plastic, and FRP flanges where high gasket stress is not possible.

GENERAL FEATURES

- Matrix CPG® has been designed to achieve low leakage at minimal load. The high- and low-density points across the sealing area allow varying loads to be applied radially but achieve a consistently low leak rate.
- Excellent chemical resistance
- Made in the USA
- Full face and raised face gasket types available

APPROVALS

- Complies with the requirements of FDA21 CFR 177.1550
- Test information is available for: HOBT, ROTT, EN 13555



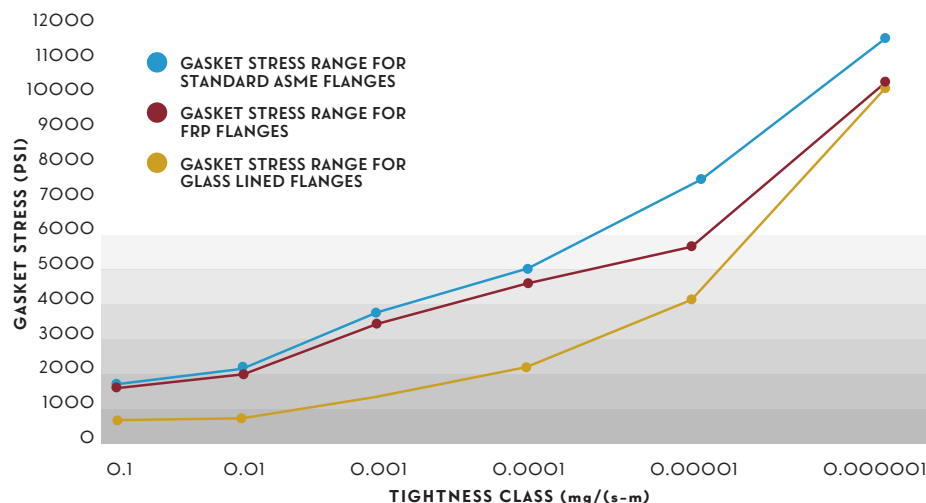
OPERATING LIMITATIONS

- Minimum Temperature: -450°F (-268°C)
- Maximum Temperature: +500°F (+260°C)
- Maximum Pressure: 1235 psi (85 Bar)

MATRIX CPG® SIZE RANGE:

- Thickness: 1/8 in or 3.0 mm
- Pressure Class Range: ASME 150 lb thru 300 lb
- Nominal Pipe Size: 1/2 in. thru 24 in.
- Non-standard sizes available upon request

TIGHTNESS VS GASKET STRESS



CREEP RELAXATION (EN 13555)

Test Temp. T _p	Initial Gasket Stress Q _i (MPa)	Stiffness C (kN/mm)	Gasket Stress Q _r (MPa)	Relaxation Factor PQR (T _p)	Q _{smax} (MPa)
25°C	220	500	213	0.97	>220
175°C	220	500	180.1	0.82	>220
225°C	220	500	179.5	0.82	>220

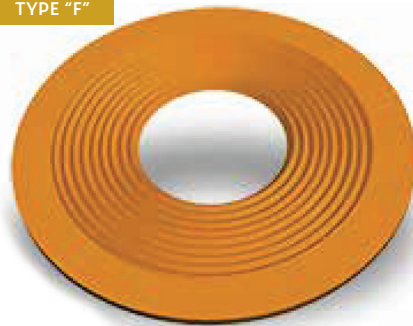
TYPICAL PHYSICAL PROPERTIES (ASTM)

F36 Compression	30%
F36 Recovery	50%
Density	1.5 g/cc
F149 Dielectric Strength	16 kV/mm

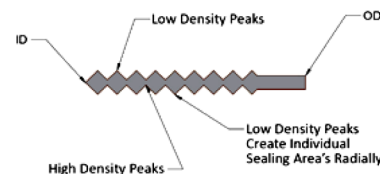
TYPE "E"



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Patent Pending



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