



Sealing Global - Servicing Local

Description:

L100 is a high performance biaxally orientated PTFE gasket Material with the addition of a High Quality Silica filler system.

Applications:

L100 can be used to seal most chemicals except molten alkali metals, fluorine gas and hydrogen fluoride. Please refer to Matrix chemical resistance data.

L100 is approved for potable water service, complies with requirements of FDA regulations and can be used at all concentrations of Sulfuric Acid.

Approvals:

Complies with the requirements of FDA21 CFR 177.1550, TA-LUFT Test information is available for: ROTT, BAM (Oxygen approval)

Operating Limitations

Minimum Temperature: -450°F (-268°C) Maximum Temperature: 500°F (260°C) Maximum Pressure: 1235 psi (8.5 MPa)

Matrix LI 00 Thickness Range:

1/32" (0.8mm) to 1/4" (6.4mm)

F36 Compression	7%
F36 Recovery	45%
F152 Tensile Strength	2320 psi (16 MPa)
F37 Liquid Leakage	<0.3 mL/hr
F38 Creep Relaxation	35%
F149 Dielectric Strength	20 kV/mm

Typical Physical Properties (ASTM)

Typical Physical Properties (Other)

Density	137 lbs/ft ³ (2.2 g/cc)
Residual Stress BS7531 @ 175°C	4496 psi (31 MPa)
Gas Leakage (DIN 3535)	<0.01 mg/(s-m)
Gas Leakage - BS7531	<0.005 mL/min
ROTT Constant Gb	172
ROTT Constant a	0.401
ROTT Constant Gs	2.76 x 10 ⁻⁶
Тртах	2426
m	4
У	2175 psi (15 MPa)







m