

L120 MATRIX



Sealing Global - Servicing Local

DESCRIPTION:

Matrix L120 is a superior performance 100% Expanded PTFE material. L120 can be supplied in sheet or gasket form.

APPLICATIONS:

Matrix L120 effectively fills flange imperfections for a tight, leak-free seal. It is easily compressed under lower loads, beneficial for applications such as FRP or glass-lined flanges. Unlike conventional PTFE, which is prone to creep and cold flow, L120 has good creep resistance and bolt torque retention properties even under higher compressive force. With L120, it is much more possible to bolt up once and not have to re-torque later. Most commonly FDA/USDA suitable.

APPROVALS:

Complies with the requirements of FDA21 CFR 177.1550

Test information is available for: ROTT

OPERATING LIMITATIONS

Minimum Temperature: -450°F (-268°C)

Maximum Temperature: 500°F (260°C)

Maximum Pressure: 735 psi (5.1 MPa)

MATRIX L120 THICKNESS RANGE:

0.020" (0.5 mm) to 1/4" (6.4 mm)



Matrix L120 Sheet Gasket

TYPICAL PHYSICAL PROPERTIES

F36 Compression	55%
F36 Recovery	15%
F152 Tensile Strength	3190 psi (22 MPa)
F37 Liquid Leakage	<0.1 mL/hr
F38 Creep Relaxation	17%
Density	59 lbs/ft ³ (.95 g/cc)
Gas Leakage - BS7531	<0.03 mL/min

MATRIX L120 JOINT SEALING

Available Sizes

1/8"	100'
1/4"	50'
3/8"	25', 50' & 250'
1/2"	15', 30' & 150'
5/8"	15', 30' & 150'
3/4"	15', 30', 50' & 100'
1"	15', 30' & 75'



Matrix L120 Joint Sealing

