

L441

COMPRESSED SHEET GASKET MATERIAL



Sealing Global - Servicing Local

Description:

L441 is a general service sheet gasket material with a wide range of application potential. Manufactured with a formulation of high quality fillers, premium aramid / inorganic fibers and a nitrile rubber binder, L441 is the workhorse of the Lamons sheet gasket line.

Applications and Characteristics:

- Excellent sealing ability
- Good chemical resistance
- Creep relaxation minimization
- Great Recovery

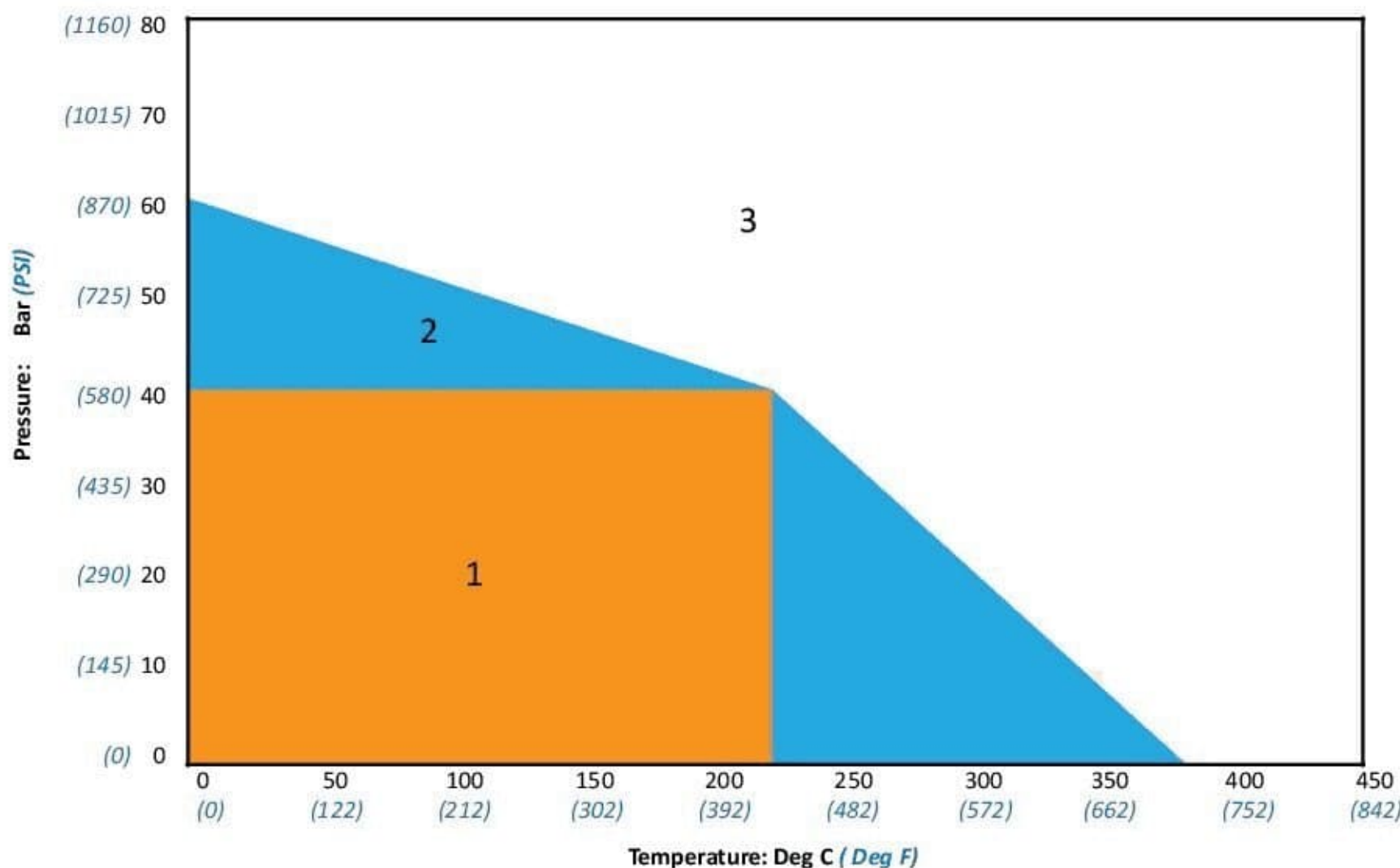
Please refer to Lamons Chemical Compatibility Chart for more information.

All Lamons sheet gasket materials are supplied with anti-stick coating as standard.
Can be manufactured with wire insert.



Creep Relaxation	ASTM F-38B (1/32")	20%
Residual Stress	DIN 52913 (50 MPa @ 175°C)	28 MPa
	BS7531 (40 MPa @ 300°C)	20 MPa
Sealability	ASTM F-37A (1/32")	0.25 ml/hr
Gas Leakage	DIN 3535/6	< 1.0 ml/min
Compressibility	ASTM F-36 J	7 - 17%
Recovery	ASTM F-36 J	50% min
Tensile Strength	ASTM F-152	2000 psi (14 MPa)
Weight Increase	ASTM F-146 after immersion in Fuel B for 5 Hrs @ 73°F (23°C)	25% max
Thickness Increase	ASTM F-146	
	ASTM Oil 1, 5 hrs / 300°F (149°C)	0 - 5%
	ASTM Oil 3, 5 hrs / 300°F (149°C)	0 - 5%
	ASTM Fuel A, 5 Hrs / 73°F (23°C)	0 - 5%
	ASTM Fuel B, 5 Hrs / 73°F (23°C)	0 - 7%
Standard Line Callout	ASTM F-104	F712121B3E22M5
m & y values	1/16" thickness	1/8" thickness
m	2.5	3.2
y	3800	4100
Dielectric Strength	ASTM D149-95a	15 kV/mm
Leachable Chlorides	FSA Method (Typical)	100 ppm
Density		112 lbs/ft ³ (1.8 g/cc)
Color	Blue	
Thickness Range	1/64" (0.4 mm) to 1/8" (3.2 mm)	
Sheet Size Availability	Max: 120" x 60" (3 m x 1.5 m)	

L441 PRESSURE / TEMPERATURE GRAPH



All Pressure / Temperature values are based on 1/16" (1.5 mm) gasket thickness.

1. Suitable (Chemical Compatibility has to be considered).
2. Please contact Lamons Engineering department for clarification.
engineering@lamons.com
3. Not Suitable.