

## L443

L443 is a premium sheet gasket material with a reinforcement structure consisting of glass and aramid fibres, it is bound together with a high quality nitrile rubber binder. L443 has excellent resistance to steam due to the addition of glass fibre.

### Applications and Characteristics:

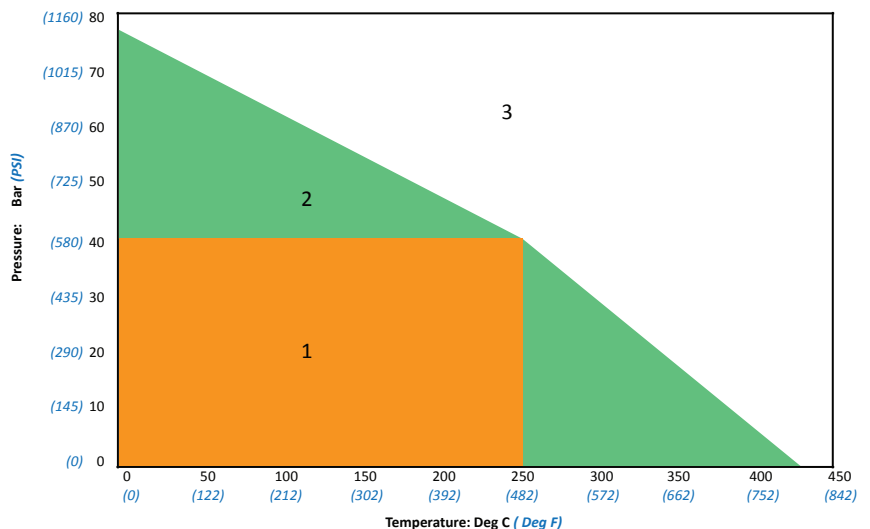
- Excellent sealing ability, high resistance to creep
- Good steam resistance
- Stronger acids and alkalis, inert gases, general chemicals, oils and fuels
- Petroleum and petroleum derivatives

NOTE: Please refer to Lamons Chemical Compatibility Chart (in the Appendix of this manual) 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)	32 MPa
	BS7531 (40 MPa @ 300°C)	27 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	1500 psi (10 MPa)
Weight Increase	ASTM F-146 after immersion in Fuel B for 5 Hrs @ 73°F (23°C)	15% 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	F712132B3E2IM5
m & y values	1/16" thickness	1/8" thickness
m	2.5	3.2
y	3800	4100
Dielectric Strength	ASTM D149-95a	18 kV/mm
Leachable Chlorides	FSA Method (Typical)	200 ppm
Density		100 lbs/ft <sup>3</sup> (1.6 g/cc)
Color	White/Green	
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)	
Approvals	Meets "BS7531 Grade AX" API 607 Fire Safe, ABS, GL	
Temperature Limits	-150°F to 800°F (-100°C to 425°C)	
Maximum Pressure	80 Bar (1160 PSI)	

L443 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](mailto:engineering@lamons.com)
3. Not Suitable.