

Thermoseal ML-N562

High performance multi-layer sheet

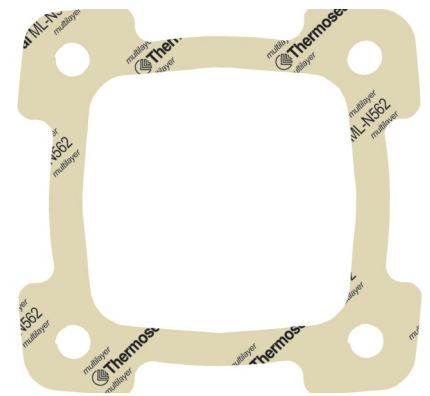
Thermoseal's Multi-Layer Technology materials provide both exceptional interfacial and interstitial sealability. Conformable outer layers prevent leakage between the gasket and flanges and a strong high-density core provides structural support while preventing leakage through the gasket.

ML-N562 is a synthetic fiber and nitrile butadiene gasket material designed for difficult sealing applications with very low flange pressures or very rough surface finishes. It combines Multi-Layer Technology structure for exceptional low flange pressure sealability and exceptional torque retention together with a more compressible core. ML-N562 provides heat and chemical resistance in coolant, lubricant, and hot air applications.

Typical applications include automotive, marine, and small engine applications with intermittent operating temperatures up to 500°F (260°C).

TYPICAL VALUES REFER TO 1/16" THICK MATERIAL UNLESS NOTED

Temperature maximum	500°F (260°C)
Pressure maximum	1400 psi (9.63 MPa)
Density ASTM F1315	87 lb/ft ³ (1.4 g/cm ³)
Compressibility ASTM F36 J	Minimum 20 %
Recovery ASTM F36 J	Minimum 50 %
Gas Permeability DIN 3535/6	< 0.2 ml/min
Weight increase ASTM F146	
After immersion in Fuel B for 5h/73°F	Maximum 10 %
Thickness increase ASTM F146	
After immersion in Oil IRM 901 for 5h/300°F	< 10 %
After immersion in Fuel B for 5h/73°F	< 15 %
Creep relaxation ASTM F38 B (1/32")	Maximum 20 %
Sealability ASTM F37 (1/32")	< 0.20 ml/hr
ASTM F104 Line Call Out	F715121B3E12K6M4
Color	White or Black



The ability of a gasket to make and maintain a seal depends not only on the style and quality of the gasket material, but also on medium being sealed, the flange design, the amount of pressure applied to the gasket by the bolts and how the gasket is assembled onto the flanges and tightened. These factors are beyond the manufacturer's control.



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