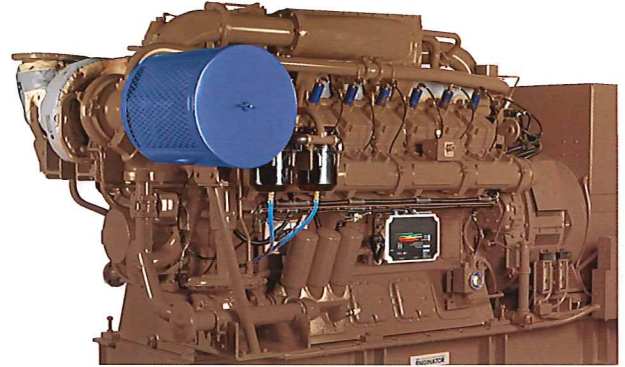


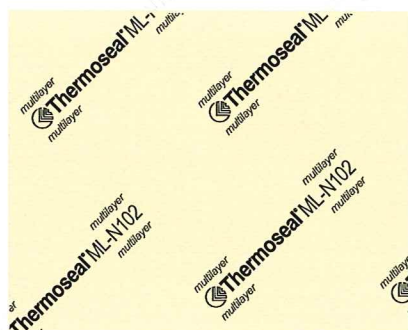
**Thermoseal ML-N102**  
Multi-Layer Technology Grades

**MATERIAL FEATURES AND APPLICATIONS**

Thermoseal ML-N102 is a high performance synthetic fiber and nitrile butadiene binder gasket material with good resistance to refrigerants and lubricating oils. Its unique Multi-Layer Technology structure provides exceptional low flange pressure sealability with exceptional torque retention. Multi-Layer Technology sheet products consist of a reinforced high density core with conformable sealing layers on each side. Typical applications include heavy-duty diesel engines and compressors with intermittent operating temperatures up to 450° F ( 232° C).



Properties <i>Refers to 1/16" thick material</i>	<b>ML-N102</b>
Temperature	maximum 450° F ( 232° C)
Pressure	maximum 1200 psi (8.3 MPa)
Density ASTM F1315	112 lbs/ft <sup>3</sup> (1.8 g/cm <sup>3</sup> )
Compressibility ASTM F36J	8 %
Recovery ASTM F36J	minimum 50 %
Weight Increase ASTM F146	
After immersion in Fuel B for five hours at 73° F ( 23° C)	maximum 10 %
Thickness Increase ASTM F146	
After immersion in ASTM Oil #1 for five hours at 300° F ( 149° C)	0 - 5 %
After immersion in Fuel A for five hours at 73° F ( 23° C)	0 - 5 %
Creep ASTM F38B (1/32")	maximum 20 %
Sealability ASTM F37	< 0.20 ml/hr
ASTM F104 Line Call Out	F 712121B3E11K6M4



**Thermoseal®**  
Thermoseal Inc. has your solution.

2350 Campbell Road  
Sidney, OH 45365  
Phone: 937.498.2222 or  
Sales at 800.990.7325  
Fax: 937.498.4911  
[www.thermosealinc.com](http://www.thermosealinc.com)