



A Passion for Quality

Thermoseal PTG Products

ML-5270

Thermoseal ML-5270 is a high performance synthetic fiber and polychloroprene binder gasket material that is resistant to refrigerants and oil mixtures. 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 gaskets in hermetic and semi-hermetic compressors and oil pan gaskets in heavy-duty diesel engines with intermittent operating temperatures up to 350° F (177° C).



Ref. Thickness of Measured Values	1/16"
Temperature	maximum 350° F (177° C)
Pressure	maximum 800 psi (5.5 MPa)
Density ASTM F1315	106 lbs/ft ³ (1.7 g/cm ³)
Compressibility ASTM F36J	8 - 14%
Recovery ASTM F36J	minimum 40%
Weight Increase ASTM F146	
After immersion in Fuel B for 5 hrs. at 73° (23° C)	maximum 15%
Thickness Increase ASTM F146	
After immersion in ASTM Oil #1 for 5 hrs. at 300° F (149° C)	0 - 5%
After immersion in Oil IRM903 for 5 hrs. at 300° F (149°)	maximum 30%
After immersion in Fuel A for 5 hrs. at 73° F (23° C)	5 - 10%
Creep ASTM F38B (1/32")	maximum 30%
Sealability ASTM F37	<0.20 ml/hr
Tensile Strength ASTM F152	2250 psi (15.5 MPa)
ASTM F104 Line Call Out	F712241B5K6M6

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