

## 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

**Temperature**

1/16"

maximum 350° F (177° C)

**Pressure**

maximum 800 psi (5.5 MPa)

**Density ASTM F1315**

106 lbs/ft<sup>3</sup> (1.7 g/cm<sup>3</sup>)

**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**

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For Additional Information Call Toll Free 1.800.990.7325 or email [info@thermosealinc.com](mailto:info@thermosealinc.com)