KLINGER® ML-5270

KLINGER India

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-hermatic 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/ft3 (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	F712241B5K646

All information is based on years of experience in production and operation of sealing elements. However, in view of the wide variety of possible installation and operating conditions one cannot draw final conclusions in all application cases regarding the behaviour in gasket joint. The data may not, therefore, be used to support any warranty claims. This edition cancels all previous issues. Subject to change without notice.

Certified acc. to DIN EN ISO 9001:2015 Subject to technical alterations.
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