

Thermoseal RG-S140 PTG Gasketing

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE) , Styrene Butadiene Rubber

Material Notes:

Thermoseal RG-S140 is a controlled-swell gasket material that provides excellent sealing where initial gasket conformability is required to compensate for flange out of flatness or roughness. After establishing initial sealability, the styrene butadiene binder fully vulcanizes with time and heat of component operation to provide long lasting performance. RG-S140 contains a unique blend of aramid, mineral, and cellulose fibers as well as mineral fillers to provide enhanced crush and temperature resistance. A factory applied release coating on both sides aids in flange removal. Continuous roll lengths allow efficient and economical fabrication with high speed die cutting equipment. Typical applications include gaskets for sealing hot oil or coolant in machinery including small engines and automotive and heavy duty diesel engines with intermittent operating temperatures up to 550° F (288° C) Information provided by Thermoseal Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Thermoseal-RG-S140-PTG-Gasketing.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	ASTM F1315
Thickness	800 microns	31.5 mil	Thickness tested

Mechanical Properties	Metric	English	Comments
Tensile Strength	>= 6.00 MPa	>= 870 psi	ASTM F152

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	288 °C	550 °F	intermittent

Descriptive Properties	Value	Comments
Binder Type	Styrene Butadiene Rubber (Partially Vulcanized)	
Compressibility	12-25 percent	ASTM F36J
Recovery	>35 percent	ASTM F36J
Thickness Increase	<60%	After immersion in Oil IRM903
Weight Increase	<45%	After immersion in Oil IRM903

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