

Thermoseal RG-N120 PTG Gasketing

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

Material Notes:

Thermoseal RG-N120 is a reinforced cellulose gasket material with a nitrile butadiene rubber binder and inorganic fillers that provides a very good crush resistance at high flange pressures. Continuous roll lengths allow efficient and economical fabrication with high speed die cutting equipment. RG-N120 seals oil, water, and coolants well in applications such as small engine intake and cover gaskets, automotive water pump and throttle body gaskets and similar applications with intermittent operating temperatures up to 350° F (177° C). Information provided by Thermoseal Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Thermoseal-RG-N120-PTG-Gasketing.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	ASTM F1315
Thickness	800 microns	31.5 mil	Thickness tested

Mechanical Properties	Metric	English	Comments
Tensile Strength	>= 8.998 MPa	>= 1305 psi	ASTM F152

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	177 °C	350 °F	intermittent

Descriptive Properties	Value	Comments
Binder Type	Nitrile Butadiene Rubber	
Compressibility	25-35 percent	ASTM F36J
Recovery	>30 percent	ASTM F36J
Thickness Increase	<10%	After immersion in Fuel B
	<15%	After immersion in Oil IRM903
Weight Increase	<10%	After immersion in Oil IRM903
	<30%	After immersion in Fuel B

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