

## Thermoseal RG-N100 PTG Gasketing

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

### Material Notes:

Thermoseal RG-N100 is a nitrile butadiene rubber, reinforced cellulose fiber and mineral filler general purpose gasket material. Continuous roll lengths allow efficient and economical fabrication with high speed die cutting equipment. Its low density provides good conformability in sealing fuels, oils, and water in applications such as automobile water pumps, miscellaneous cover gaskets, and many small engine applications. RG-N100 is suitable for 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-N100-PTG-Gasketing.php](http://www.lookpolymers.com/polymer_Thermoseal-RG-N100-PTG-Gasketing.php)

Physical Properties	Metric	English	Comments
Density	1.00 g/cc	0.0361 lb/in <sup>3</sup>	ASTM F1315
Thickness	800 microns	31.5 mil	Thickness tested

Mechanical Properties	Metric	English	Comments
Tensile Strength	>= 6.998 MPa	>= 1015 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	20-40 percent	ASTM F36J
Recovery	>30 percent	ASTM F36J
Thickness Increase	<10%	After immersion in Fuel B
	<10%	After immersion in Oil IRM903
Weight Increase	<40%	After immersion in Fuel B
	<50%	After immersion in Oil IRM903

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