Thermoseal KLINGERSIL® C-4401 General Application Gasketing

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

Material Notes:

Synthetic FiberNitrile BinderExcellent SealabilityExcellent Chemical ResistanceGood Creep RelaxationGeneral Purpose SheetData for this material is available for download into ANSYS xml format: C4401; 1/64" (right click and "save as" to download) Information provided by Thermoseal Inc.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Thermoseal-KLINGERSIL-C-4401-General-Application-Gasketing.php

Physical Properties	Metric	English	Comments
Density	1.80 g/cc	0.0650 lb/in³	ASTM F1315
Thickness	1588 microns	62.52 mil	Thickness tested

Electrical Properties	Metric	English	Comments
Dielectric Strength	14.0 kV/mm	356 kV/in	ASTM D149-95a

Descriptive Properties	Value	Comments
Color	Green	(Top/Bottom)
Compressibility	7 percent	ASTM F36J
Creep Relaxation	20 percent	1/32", ASTM F38B
Gas Permeability	<0.5 ml/min	DIN 3535/6
Klinger Hot Compression Test	10.5 percent	Initial, Thickness Decrease 73°F (23°C)
	17 percent	Additional, Thickness Decrease 572°F (300°C)
Leachable Chloride Content	100 ppm	FSA Method (Typical)
Recovery	>50 percent	ASTM F36J
Sealability	<0.25 ml/hr	1/32", ASTM F37A
Thickness Increase	0-5%	ASTM F146 after immersion in ASTM Oil 1, 5h/300°F (149°C)
	0-5%	ASTM Oil IRM903, 5h/300°F (149°C)
	0-5%	ASTM Fuel A, 5h/73°F (23°C)
	0-7%	ASTM Fuel B, 5h/73°F (23°C)
Weight Increase	<10%	ASTM F146 after immersion in Fuel B 5h/73°F (23°C)

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