

Garlock BLUE-GARDÂ® 3000 Compressed Aramid Fiber Gasketing, Nitrile Binder

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

Material Notes:

Aramid fiber, high-temperature fillers, and nitrile (NBR) binder. Excellent Sealability Unique blend of aramid fibers, fillers, and a NBR rubber binder provides improved torque retention and lowered emissions levels Media: Water, Aliphatic hydrocarbons, Oils, Gasoline Information provided by Garlock Rubber Technologies

Order this product through the following link:

http://www.lookpolymers.com/polymer_Garlock-BLUE-GARD-3000-Compressed-Aramid-Fiber-Gasketing-Nitrile-Binder.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0579 lb/in ³	
Permeability	0.050	0.050	Gas Permeability, cc/min; DIN 3535 Part 4

Mechanical Properties	Metric	English	Comments
Tensile Strength	15.5 MPa	2250 psi	across grain; ASTM F152

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	371 Â°C	700 Â°F	
	204 Â°C	400 Â°F	Continuous
	@Pressure 6.89 MPa	@Pressure 1000 psi	
Minimum Service Temperature, Air	-73.3 Â°C	-100 Â°F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	>= 10.1 kV/mm	>= 257 kV/in	0.125 in. thickness; ASTM D149
	@Temperature 121 Â°C, Time 10800 sec	@Temperature 250 Â°F, Time 3.00 hour	
	>= 15.6 kV/mm	>= 396 kV/in	0.0625 in. thickness; ASTM D149
	@Temperature 121 Â°C, Time 10800 sec	@Temperature 250 Â°F, Time 3.00 hour	
	5.59 kV/mm	142 kV/in	100% RH for 96 hours; ASTM D149
	@Thickness 3.17 mm	@Thickness 0.125 in	
	10.7 kV/mm	271 kV/in	100% RH for 96 hours; ASTM D149
	@Thickness 1.59 mm	@Thickness 0.0625 in	

Descriptive Properties	Value	Comments
Color	Blue	
Compressibility, %	7-17	ASTM F36
Creep Relaxation, %	21	ASTM F38
Sealability ASTM F37B, ml/hr	0.2	ASTM Fuel A
	0.6	Nitrogen

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