

Garlock BLUE-GARD[®] 3300 Compressed Aramid Fiber Gasketing, Neoprene Binder

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

Material Notes:

Aramid fiber, high-temperature fillers, and neoprene (CR) binder. Handles service conditions with refrigerants and various petroleum-based oils. Excellent Sealability Unique blend of aramid fibers, fillers, and a neoprene rubber binder provides improved torque retention and lowered emissions levels Media: Water, Saturated Steam, Refrigerants, Oils, Fuels Information provided by Garlock Rubber Technologies

Order this product through the following link:

http://www.lookpolymers.com/polymer_Garlock-BLUE-GARD-3300-Compressed-Aramid-Fiber-Gasketing-Neoprene-Binder.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0579 lb/in ³	
Permeability	0.080	0.080	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 Å°C	700 Å°F	
	204 Å°C	400 Å°F	Continuous
	@Pressure 8.27 MPa	@Pressure 1200 psi	
Minimum Service Temperature, Air	-73.3 Å°C	-100 Å°F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	>= 10.6 kV/mm	>= 269 kV/in	0.125 in. thickness; ASTM D149
	@Temperature 121 Å°C, Time 10800 sec	@Temperature 250 Å°F, Time 3.00 hour	
	>= 15.4 kV/mm	>= 392 kV/in	0.0625 in. thickness; ASTM D149
	@Temperature 121 Å°C, Time 10800 sec	@Temperature 250 Å°F, Time 3.00 hour	
	2.87 kV/mm	73.0 kV/in	100% RH for 96 hours; ASTM D149
	@Thickness 3.17 mm	@Thickness 0.125 in	
	3.07 kV/mm	78.0 kV/in	100% RH for 96 hours; ASTM D149
	@Thickness 1.59 mm	@Thickness 0.0625 in	

Descriptive Properties	Value	Comments
Color	Black	
Compressibility, %	7-17	ASTM F36
Creep Relaxation, %	18	ASTM F38
Sealability ASTM F37B, ml/hr	0.2	ASTM Fuel A
	1	Nitrogen

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