

Garlock 5500 Compressed Inorganic Fiber Gasketing, Nitrile Binder

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

Material Notes:

Inorganic fibers with a nitrile binder. Inorganic fiber gasketing offers excellent thermal stability with minimal weight loss. Reduced creep relaxation and improved torque retention provide optimal sealability. Temperature resistant. Non-oxidizing fibers. IFGÂ® 5500 has passed the Garlock Fire Test and is ABS Fire Safe Type Approved. Media: Water, Aliphatic hydrocarbons, Oils, Gasoline, Saturated steam, Inert gases, Most refrigerants. Information provided by Garlock Rubber Technologies

Order this product through the following link:

http://www.lookpolymers.com/polymer_Garlock-5500-Compressed-Inorganic-Fiber-Gasketing-Nitrile-Binder.php

Physical Properties	Metric	English	Comments
Density	1.76 g/cc	0.0637 lb/in ³	
Permeability	0.050	0.050	Gas Permeability, cc/min; DIN 3535 Part 4

Mechanical Properties	Metric	English	Comments
Tensile Strength	10.3 MPa	1500 psi	across grain; ASTM F152

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	427 Â°C	800 Â°F	
	288 Â°C	550 Â°F	Continuous
	@Pressure 8.27 MPa	@Pressure 1200 psi	
Minimum Service Temperature, Air	-73.3 Â°C	-100 Â°F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	9.65 kV/mm	245 kV/in	0.125 in. thickness; ASTM D149
	@Temperature 121 Â°C, Time 10800 sec	@Temperature 250 Â°F, Time 3.00 hour	
	11.2 kV/mm	284 kV/in	0.0625 in. thickness; ASTM D149
	@Temperature 121 Â°C, Time 10800 sec	@Temperature 250 Â°F, Time 3.00 hour	

Descriptive Properties	Value	Comments
Color	Gray	
Compressibility, %	7-17	ASTM F36
Creep Relaxation, %	15	ASTM F38

Descriptive Properties	Value	Comments
Sealability ASTM F378, ml/hr	0.2	ASTM Fuel A
	1	Nitrogen

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