

Garlock 706 Compressed Inorganic Fiber Gasketing, Nitrile Binder

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

Material Notes:

Inorganic fibers with a nitrile binder. Inorganic, asbestos-free fibers offer superior performance in saturated and superheated steam. Thermally stable fibers retain effective seal even during thermal cycling to 750°F (400°C). Unique manufacturing process minimizes cold flow and creep relaxation problems. Ideal for standard ANSI flanged connectors, as well as turbine crossover piping connectors. Multiple applications in power generation, chemical processing, hydrocarbon processing, and other industries. Media: Steam, oils, grease, water, heat transfer fluids. Information provided by Garlock Rubber Technologies

Order this product through the following link:

http://www.lookpolymers.com/polymer_Garlock-706-Compressed-Inorganic-Fiber-Gasketing-Nitrile-Binder.php

Physical Properties	Metric	English	Comments
Density	1.68 g/cc	0.0608 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength	9.65 MPa	1400 psi	across grain; ASTM F152

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	538 °C	1000 °F	
	399 °C @Pressure 10.3 MPa	750 °F @Pressure 1500 psi	Continuous
Minimum Service Temperature, Air	-73.3 °C	-100 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	0.984 kV/mm	25.0 kV/in	100% RH for 96 hours; ASTM D149
	5.24 kV/mm @Temperature 121 °C, Time 10800 sec	133 kV/in @Temperature 250 °F, Time 3.00 hour	0.0625 in. thickness; ASTM D149
	5.59 kV/mm @Temperature 121 °C, Time 10800 sec	142 kV/in @Temperature 250 °F, Time 3.00 hour	0.125 in. thickness; ASTM D149

Descriptive Properties	Value	Comments
Color	White	
Compressibility, %	7-17	ASTM F36

Creep Relaxation % Descriptive Properties	IR Value	ASTM F38 Comments
Sealability ASTM F37B, ml/hr	0.5	ASTM Fuel A
	4	Nitrogen

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