

## Garlock 9900 Compressed Graphite Fiber Gasketing, Nitrile Binder

Category : Polymer , Thermoset , Carbon Fiber/Thermoset Composite , Rubber or Thermoset Elastomer (TSE)

### Material Notes:

Graphite fibers with a nitrile binder. Graphite fiber gasketing withstands extreme temperatures and pressures, as well as many chemicals. Passed Garlock Fire tests, and is ABS Fire Safe Type Approved. Long-lasting seal - 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-9900-Compressed-Graphite-Fiber-Gasketing-Nitrile-Binder.php](http://www.lookpolymers.com/polymer_Garlock-9900-Compressed-Graphite-Fiber-Gasketing-Nitrile-Binder.php)

Physical Properties	Metric	English	Comments
Density	1.76 g/cc	0.0637 lb/in <sup>3</sup>	
Permeability	0.015	0.015	Gas Permeability, cc/min; DIN 3535 Part 4

Mechanical Properties	Metric	English	Comments
Tensile Strength	12.4 MPa	1800 psi	across grain; ASTM F152

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	538 Â°C	1000 Â°F	
	343 Â°C	650 Â°F	Continuous
	@Pressure 13.8 MPa	@Pressure 2000 psi	
Minimum Service Temperature, Air	-73.3 Â°C	-100 Â°F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	<= 0.0787 kV/mm	<= 2.00 kV/in	Unconditioned; ASTM D149
	@Thickness 1.59 mm	@Thickness 0.0625 in	

Descriptive Properties	Value	Comments
Color	Mahogany	
Compressibility, %	7-17	ASTM F36
Creep Relaxation, %	9	ASTM F38
Sealability ASTM F37B, ml/hr	0.1	ASTM Fuel A
		Nitrogen

Descriptive Properties	Value	Comments
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**Contact Songhan Plastic Technology Co.,Ltd.**

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