

GrafTech GRAFOIL® SUPER GTO® Standard Internal Combustion Single Layer Gasketing Material

Category : Carbon , Graphite

Material Notes:

GRAFOIL® SUPER GTO® flexible graphite sheet is a gasketing material containing no binders, which will seal a wide variety of liquids and gases over an extremely large temperature range (-240°C to 525°C). SUPER GTO® is specifically designed to resist oxidation and corrosion in high-temperature environments. Primary applications are in exhaust systems where oxidation resistance is critically important. While maintaining an effective seal, GRAFOIL® material exhibits virtually no creep relaxation. As a result, the need for periodic bolt tightening is greatly reduced.

Order this product through the following link:

http://www.lookpolymers.com/polymer_GrafTech-GRAFOIL-SUPER-GTO-Standard-Internal-Combustion-Single-Layer-Gasketing-Material.php

Physical Properties	Metric	English	Comments
Bulk Density	1.12 g/cc	0.0405 lb/in ³	Standard
Moisture Absorption at Equilibrium	0.10 %	0.10 %	
Thickness	380 microns	15.0 mil	Standard
	760 microns	29.9 mil	Standard
Ash	3.0 %	3.0 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	4.48 MPa	650 psi	
Compression Set	87 % @Pressure 34.5 MPa	87 % @Pressure 5000 psi	after 5000 psi load

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	525 °C	977 °F	
Minimum Service Temperature, Air	-240 °C	-400 °F	

Component Elements Properties	Metric	English	Comments
Carbon, C	97 %	97 %	

Chemical Properties	Metric	English	Comments
Ionic Impurities - Cl (Chloride)	10 ppm	10 ppm	Leachable

Descriptive Properties	Value	Comments
Compressibility (%)	43	at 5000 psi load

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