

GrafTech GRAFOIL[®] GTX Standard Fluid Sealing Graphite, Single Layer Material

Category : Carbon , Graphite

Material Notes:

GRAFOIL[®] GTX flexible graphite sheet is inhibited for high oxidation/corrosion resistance that can be used for most fluid sealing and industrial applications. Grade GTX contains an inorganic, nonmetallic, passive corrosion and oxidation inhibitor that allows a maximum continuous use temperature of 1000[°]F (538[°]C) in oxidizing environments. It meets continuous use temperature and oxidation weight loss limits of the proposed CAPI spec. Its applications include high temperature gaskets and heat exchangers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_GrafTech-GRAFOIL-GTX-Standard-Fluid-Sealing-Graphite-Single-Layer-Material.php

Physical Properties	Metric	English	Comments
Bulk Density	1.12 g/cc	0.0405 lb/in ³	Standard
Thickness	380 microns	15.0 mil	Standard
	510 microns	20.1 mil	Standard
	1020 microns	40.2 mil	Standard
Ash	1.0 %	1.0 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	4.48 MPa	650 psi	
Compression Set	85 %	85 %	after 5000 psi load
	@Pressure 34.5 MPa	@Pressure 5000 psi	

Component Elements Properties	Metric	English	Comments
Sulfur, S	0.080 %	0.080 %	

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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