

GrafTech GRAFOIL[®] GTA Standard Fluid Sealing Graphite Single Layer Gasketing Material

Category : Carbon , Graphite

Material Notes:

GRAFOIL[®] GTA premium flexible graphite is a non-inhibited grade developed for use in nuclear or semiconductor applications. It is certified to meet the most rigorous purity specifications of the nuclear industry, including the General Electric Nuclear Nonmetallic Material Specification D50YP12 (Rev 2) and is typically 99.8% graphite.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Bulk Density	1.12 g/cc	0.0405 lb/in ³	Standard
Thickness	130 microns	5.12 mil	Standard
	250 microns	9.84 mil	Standard
	380 microns	15.0 mil	Standard
	510 microns	20.1 mil	Standard
	640 microns	25.2 mil	Standard
	760 microns	29.9 mil	Standard
	Ash	0.20 %	0.20 %

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	450 Â°C	842 Â°F	
Maximum Service Temperature, Inert	3000 Â°C	5430 Â°F	
Minimum Service Temperature, Air	-240 Â°C	-400 Â°F	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	0.0015 %	0.0015 %	
Carbon, C	99.8 %	99.8 %	
Copper, Cu	<= 0.0010 %	<= 0.0010 %	
Mercury, Hg	<= 0.000050 %	<= 0.000050 %	
Phosphorous, P	0.0030 %	0.0030 %	
Sulfur, S	0.045 %	0.045 %	

Component Elements Properties	Metric	English	Comments
Chemical Properties	Metric	English	Comments
Ionic Impurities - Cl (Chloride)	<= 10 ppm	<= 10 ppm	Leachable

Descriptive Properties	Value	Comments
Total Chlorides (%)	<50	
Total Fluorides (ppm)	<10	
Total Halogens (ppm)	40	
Total Nitrates (ppm)	10	
Total Nitrites (ppm)	1	

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