

GrafTech GRAFOILÂ® GTJ Standard Fluid Sealing Graphite, Single Layer Material

Category : Carbon , Graphite

Material Notes:

GRAFOILÂ® GTJ premium flexible graphite is an oxidation/corrosion inhibited grade developed for use in nuclear and high temp, high purity 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. While maintaining an effective seal, GRAFOILÂ® 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-GTJ-Standard-Fluid-Sealing-Graphite-Single-Layer-Material.php

Physical Properties	Metric	English	Comments
Bulk Density	1.12 g/cc	0.0405 lb/inÂ³	Standard
Thickness	250 microns	9.84 mil	Standard
	380 microns	15.0 mil	Standard
	760 microns	29.9 mil	Standard
Ash	0.50 %	0.50 %	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	525 Â°C	977 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	99.5 %	99.5 %	
Copper, Cu	<= 0.0010 %	<= 0.0010 %	
Mercury, Hg	<= 0.000050 %	<= 0.000050 %	
Phosphorous, P	0.050 %	0.050 %	
Sulfur, S	0.045 %	0.045 %	

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

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

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