

TG-411 Flexible Graphite Sheet

Technical Data Sheet 443

Product Overview

GRAFOIL TG-411 is a high temperature purified flexible graphite sheet for applications that require extremely low impurity levels.

Typical Properties*

Characteristic	Typical Value
Thickness	0.015" (0.38 mm) 0.020" (0.51 mm)
Sheet Dimensions	27" x 54" (686 mm x 1372 mm) 39.4" x 39.4" (1000 mm x 1000 mm)
Bulk Density	70 lb/ft ³ (1.12 g/cc)
Chlorine (Cl)	0.23 ppm
Calcium (Ca)	0.17 ppm
Sulfur (S)	1.15 ppm
Sodium (Na)	0.08 ppm
Aluminum (Al)	0.06 ppm
Phosphorous (P)	0.19 ppm
Iron (Fe)	0.15 ppm
Zinc (Zn)	<0.05 ppm
Potassium (K)	0.02 ppm
Magnesium (Mg)	0.01 ppm
Cobalt	<0.05 ppm
Chromium (Cr)	<0.10 ppm
Boron (B)	0.02 ppm
Copper (Cu)	<0.05 ppm
Nickel (Ni)	0.01 ppm

(Typical Properties continued on next page)

Typical Properties* (cont)

Arsenic (As)	<0.01 ppm
Silicon (Si)	1.15 ppm
Manganese (Mn)	<0.010 ppm
Mercury (Hg)	<0.5 ppm
Tantalum (Ta)	< 5 ppm
Bromine (Br)	<0.1 ppm
Selenium (Se)	<0.1 ppm
Germanium (Ge)	<0.1 ppm
Titanium (Ti)	0.05 ppm
Lithium (Li)	<0.05 ppm
Total Impurities	3.4 ppm
Certification	Certify to Grade

Notes:

* Properties listed are typical and cannot be used as accept/reject specifications.

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