

TG-679 Expanded Graphite Powder

Technical Data Sheet 456

Product Overview

GRAFOIL grade TG-679 is an expanded natural graphite powder with consistent purity and good lubrication properties. Typical applications include using the graphite powder as an electrically conductive additive or as a thermal transfer enhancement in plastics and foams or as a lubricant. TG-679 GRAFOIL has a unique combination of very thin and small diameter plate-like particles.

Typical Properties*

Characteristic	Unit	Value
Ash	%	2.25
Moisture	%	0.2
Sulfur	ppm	500
Al	ppm	1000
Ba	ppm	4
Ca	ppm	2600
Cr	ppm	4
Cu	ppm	9
Fe	ppm	2100
Mg	ppm	1600
Mn	ppm	16
Mo	ppm	12
Si	%	0.5
Ti	ppm	70
V	ppm	5
Typical Density		
A.D. (Scott)	g/cm ³	0.05
Surface Area	m ² /g	20
Typical Particle Distribution		
d90%	µm	65.2
d50%	µm	20
Typical Particle Thickness	µm	2.5
Packaging		
Paper Bag	kg	8

Notes:

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

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