

20-C-ENG Expanded Graphite Powder

TECHNICAL DATA SHEET 456

Product Overview

Graf+ 20-C-ENG is a nominal 20µm jet milled thin platelet expanded graphite powder with >95% carbon content. Applications include additives in graphite polystyrene boards in the building and construction market to improve insulation value and conductive additives in a variety of polymer matrices to improve thermal and electrical conductivity.

Typical Properties*

CHARACTERISTIC	UNIT	VALUE	CHARACTERISTIC	UNIT	VALUE
Ash	%	2.25	Silicon (Si)	%	0.5
Moisture	%	0.2	Titanium (Ti)	ppm	70
Sulfur (S)	ppm	500	Vanadium (V)	ppm	5
Aluminum (Al)	ppm	1000	Typical Density		
Barium (Ba)	ppm	4	A.D. (Scott)	g/cm ³	0.05
Calcium (Ca)	ppm	2600	Surface Area	m ² /g	20
Chromium (Cr)	ppm	4	Typical Particle Distribution		
Copper (Cu)	ppm	9	D90	µm	65.2
Iron (Fe)	ppm	2100	D50	µm	20
Magnesium (Mg)	ppm	1600	Typical Particle Thickness	µm	0.35
Manganese (Mn)	ppm	16	Packaging		
Molybdenum (Mo)	ppm	12	Paper Bag	kg	8

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

LEAD. CREATE. CONNECT.

+1 (800) 253.8003 (Toll-Free in USA) | +1 (216) 529.3777 (International)
www.neograf.com | info@neograf.com

©2019 NeoGraf Solutions, LLC (NGS). This information is based on data believed to be reliable, but NGS makes no warranties, express or implied, as to its accuracy and assumes no liability arising out of its use. The data listed falls within the normal range of product properties, but should not be used to establish specification limits or used alone as the basis of design. NGS's liability to purchasers is expressly limited to the terms and conditions of sale. NeoGraf Solutions™, eGRAF®, NeoNxGen™, SPREADERSHIELD™, HITHERM™, GRAFGUARD®, GRAFOIL®, GRAF+® and GrafHX® are registered trademarks of NeoGraf Solutions, LLC. eGRAF®, NeoNxGen™, SPREADERSHIELD™, HITHERM™, GRAFGUARD®, GRAFOIL®, GRAF+® and GrafHX® products, materials, and processes are covered by several US and foreign patents. For patent information visit www.neograf.com.