

20-C-ENG Expanded Graphite Powder

TECHNICAL DATA SHEET 456

Product Overview

Graf+ 20-C-ENG is a nominally 20µm jet milled thin platelet expanded graphite powder with carbon content >95%. Applications include additives in graphite polystyrene boards in the building and construction market to improve insulation value and also as 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	Si	%	0.5
Moisture	%	0.2	Ti	ppm	70
Sulfur	ppm	500	V	ppm	5
Al	ppm	1000	Typical Density		
Ba	ppm	4	A.D. (Scott)	g/cm ³	0.05
Ca	ppm	2600	Surface Area	m ² /g	20
Cr	ppm	4	Typical Particle		
Cu	ppm	9	Distribution		
Fe	ppm	2100	d90%	µm	65.2
Mg	ppm	1600	d50%	µm	20
Mn	ppm	16	Typical Particle	µm	2.5
Mo	ppm	12	Thickness		
			Packaging		
			Paper Bag	kg	8
			Notes:		
			* Properties listed are typical and cannot be used		
			as accept/reject specifications.		

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