

Primary Synthetic Graphite Powder GP55-B

Technical Data Sheet 5058

Product Overview

High, consistent purity, good lubrication properties

Applications

- Conductive polymers
- Friction materials
- Carbon brushes
- Batteries
- Lubricants
- Fuel cells

Typical Properties at Room Temperature*

Characteristic	Unit	Value
Purity		
Ash	%	0.06
Moisture	%	0.02
Sulfur	%	0.01
Al	ppm	6
Ba	ppm	< 1
Ca	ppm	6
Cr	ppm	2
Cu	ppm	1
Fe	ppm	22
Mg	ppm	< 1
Mn	ppm	< 1
Mo	ppm	< 1
Si	ppm	50
Ti	ppm	3
V	ppm	7
Density		
A.D. (Scott)	g/cm ³	0.222
Real (Helium)	g/cm ³	2.24

(Typical Properties continued on next page)

Typical Properties* (cont)

Surface Area		
BET	m ² /g	8.0
Particle Distribution		
90%	µm	< 50.0
50%	µm	< 23.0
Guaranteed Values		
Ash	% max	0.02
Moisture	% max	0.50
Sizing		
98.5%	µm	< 75

Notes:

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

www.graftech.com | graftechcustomersupport@graftech.com

United States of America
 101 N. Philippi Pike
 Anmoore, WV 26323-0120
 Ph: +1-800-842-8805
 +1-304-624-1253

China
 Unit 2104 of International Capital Plaza
 1318, Sichuan Road North
 Hongkou District, Shanghai China
 Ph: +86-21-8625-8018

Italy
 Via Forno Allione, 2
 1-25040 Malonno, Brescia, Italy
 Ph: +39-036-463-0131

France
 La Lechere
 73264 Aigueblanche Cedex, France
 Ph: +33-4-79-41-45-00

Redefining limits

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