

# Primary Synthetic Graphite Powder GP55-B

Technical Data Sheet 27

## Product Overview

GRAF+<sup>TM</sup> GP55-B graphite powder offers high, consistent purity and good lubrication properties.

## Applications

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

## Warranted Properties

Characteristic	Unit	Value
Ash	% Max	0.20
Moisture	% Max	0.50
Sizing	Tyler Sieve	98.5%, -200 Mesh

## Informational Properties (at Room Temperature)\*

Characteristic	Unit	Value
<b>Density</b>		
Apparent Density (Scott)	g/cm <sup>3</sup>	0.222
Real Density (Helium)	g/cm <sup>3</sup>	2.217
<b>Surface Area</b>		
BET (Brunauer, Emmett & Teller)	m <sup>2</sup> /g	6.05
<b>Particle Distribution (Laser Diffraction Method)</b>		
90%	µm	60
50%	µm	23

(continued on page 2)

## Informational Properties (continued)\*

Characteristic	Unit	Value
<b>Purity</b>		
Ash	%	0.05
Moisture	%	0.11
Sulfur	%	0.03
<b>Elemental Analysis</b>		
Al	ppm	3
Ca	ppm	10
Cr	ppm	< 1
Fe	ppm	22
Mn	ppm	< 1
Ni	ppm	1
K	ppm	< 1
Si	ppm	6
Ti	ppm	2
V	ppm	4
Zn	ppm	< 1

**Notes:**

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

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