



# GRAFTech

*International*

**HotPressed™ Refractory Systems**

## CBY™ GRAPHITE

**Description:** Petroleum coke based low ash and low iron graphite for blast furnace linings, hearth, stack, cooling course, bosh, and side wall blocks. Features excellent thermal conductivity, high density, high strength, and excellent machinability.

ESSENTIAL PROPERTIES	Typical Average	Min./Max. Individual Sample	Comparable ASTM Test Procedure
Bulk Density (gm/cc)	1.63	1.59	ASTM C559
Crushing Strength (kPa) (AG)	30000	21000	ASTM C695
Ash (percent)	0.10	0.30	ASTM C561
INFORMATIONAL PROPERTIES			
Porosity (percent)	24		ASTM C20
Flexural Strength (kPa)	13000		ASTM C651
Iron (percent)	0.035		ASTM C560
Permeability (m'darcy's)	130		ASTM C577
Thermal Conductivity (W/m°K) (WG) @ 20°C	140	120	ASTM C714



**GRAFTech**  
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**TECHNICAL INFORMATION**  
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