



GRAFTech

International

HotPressed™ Refractory Systems

USG SEMIGRAPHITE BLOCKS

Description: Large anthracite coal/graphite based carbon blocks for blast furnace hearth bottoms, and submerged arc furnace hearth bottoms and sidewall blocks. Features good thermal conductivity, low thermal expansion and good volume stability.

GUARANTEED PROPERTIES	Average	Min./Max.	Test Procedure
Bulk Density (g/cc)	1.60	1.52	ASTM C559
Compressive Strength (MPa)	25	18	ASTM C133
Ash (percent)	5	9	ASTM C561
INFORMATIONAL PROPERTIES			
Modulus of Rupture (MPa) (WG)	8		ASTM C651
Porosity (percent)	20		ASTM C20
Thermal Conductivity (W/m ² K, 300°C)	12		ASTM C714
Reheat (at 1000°C)	±0.1%		ASTM C113



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TECHNICAL INFORMATION
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