



GRAFTech

International

HotPressed™ Refractory Systems

UMP™ MICROPOROUS BLOCK

Description: Micropore carbon blocks for blast furnace hearth bottoms, and submerged arc furnace hearth bottoms and sidewall blocks. Features good thermal conductivity and low permeability.

GUARANTEED PROPERTIES	Typical Average	Min./Max. Individual Sample	Comparable ASTM Test Procedure
Bulk Density (g/cc)	1.6	1.55	ASTM C559
Compressive Strength (MPa)	36	33	ASTM C133
Ash (percent)	20	23	ASTM C561
INFORMATIONAL PROPERTIES			
Permeability (mDa)	9		ASTM C577
Porosity (percent)	20		ASTM C20
Thermal Conductivity (W/m°K, 300°C)	10		ASTM C714



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GrafTech International Holdings Inc.

791 Santa Fe Pike

Columbia, Tennessee, USA 38401

Phone: 1.800.934.8227 (U.S. and Canada Only)

1.931.380.4348

Fax: 1.931.380.4308

email: refractory.systems@graftech.com

Visit us on the World Wide Web at www.graftech.com

TECHNICAL INFORMATION
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