

TECHNICAL INFORMATION

Since 1886, UCAR Carbon Company has been supplying quality carbon and graphite products, skilled technical service, and experienced application assistance worldwide.

UCAR[®] Grade CSX Specialty Graphite Shapes

RPD-95

September, 1995

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. As a result of additional process steps, Grade CSX has higher density, strength, and thermal conductivity than Grade CS.

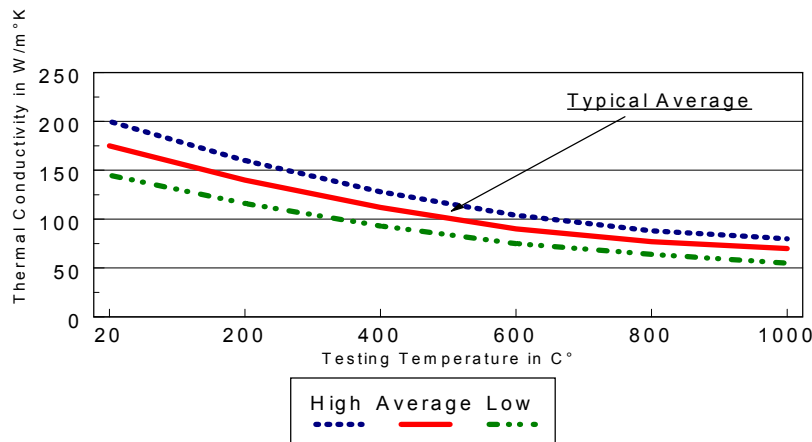
ESSENTIAL PROPERTIES

	Typical <u>Average</u>	Min./Max. Order <u>Average</u>	Min./Max. Individual <u>Sample</u>	Comparable ASTM <u>Test Procedure</u>
Bulk Density (gm/cc)	1.76	1.75	1.72	ASTM C559
Crushing Strength (kPa) (AG)	52000	40000	37000	ASTM C695
Ash (percent)	0.11	0.15	0.32	ASTM C561

INFORMATIONAL PROPERTIES

Porosity (percent)	12			ASTM C20
Flexural Strength (kPa)	22000			ASTM C651
Iron (percent)	0.040			ASTM C560
Permeability (m ³ darcy's)	30			ASTM C577
Thermal Conductivity (Wm ² K) (WG) @ 20°C	175	165	155	ASTM C714

THermal CONDUCTIVITY RANGE VS. TEMPERATURE OF GRADE CSX, AS MEASURED BY THE LASER METHOD



GRAF*Tech*

UCAR CARBON COMPANY INC.

A GrafTech International Ltd. Company

P.O. Box 218, Columbia, TN 38402-0218

Tel: (800) 934-8227 or (931) 380-4348

Fax: (931) 380-4308

This information is not to be taken as a warranty or representation for which we assume legal responsibility nor as permission or recommendation to practice any patented invention without a license. It is offered solely for your consideration, investigation and verification.

85CP7106 0995