

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 CJR Refractory Graphite Shapes

RPD-95

October, 1996

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

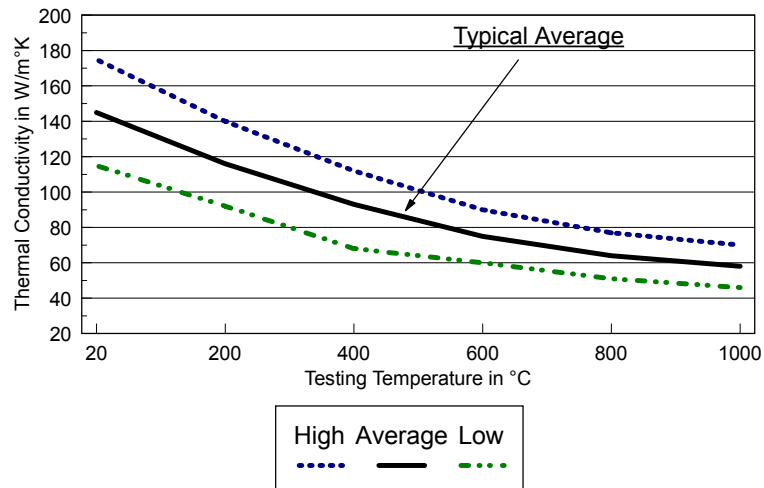
ESSENTIAL PROPERTIES

	Typical Average	Min./Max. Order Avg.	Min./Max. Individual Sample	Comparable ASTM Test Procedure
Bulk Density (gm/cc)	1.63	1.62	1.59	ASTM C559
Crushing Strength (kPa) (AG)	16000	14000	10000	ASTM C695
Ash (percent)	0.2	0.3	0.6	ASTM C561

INFORMATIONAL PROPERTIES

Porosity (percent)	24			ASTM C20
Flexural Strength (kPa)	7000			ASTM C651
Iron (percent)	0.1			ASTM C560
Thermal Conductivity (W/m ² K) (WG) @ 20°C	150	140	120	ASTM C714

THERMAL CONDUCTIVITY RANGE VS. TEMPERATURE OF GRADE CJR, AS MEASURED BY THE LASER METHOD



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