

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 C-46 Carbon Cement

RPD-95

April, 2000

Description: This product is a single-component carbonaceous heat setting cement developed specifically as a mortar for use between carbon or graphite structural shapes. UCAR cement Grade C-46 is used extensively in blast furnaces, cupolas, ferroalloy furnaces, phosphorus furnaces, runout troughs and other metallurgical applications. It thermally cures to form a strong carbonaceous bond between the cemented shapes.

Detailed instructions and precautions for using Grade C-46 Cement are available from UCAR Carbon Company Inc. representatives or by contacting the address below.

ESSENTIAL PROPERTIES

	Typical Average	Max./Min. Individual Sample	Comparable ASTM Test Procedure
Bulk Density (gm/cc) (Solid)	1.40	1.30	ASTM C559

INFORMATIONAL PROPERTIES

850°C Joint Strength (kPa) (Measured on Graphite at 20°)	9800		
Thermal Conductivity (W/m ² K) (at 20°C)	2.5		ASTM C714

GRAFTech

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

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