

# TECHNICAL INFORMATION

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

## UCAR<sup>®</sup> Grade C-34 Carbon Cement

RPD-95

April, 2000

**Description:** This product is a two part carbonaceous heat setting cement and was developed specifically as a mortar for use between carbon or graphite structural shapes. UCAR<sup>®</sup> Grade C-34 Cement 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-34 Cement are available from UCAR Carbon Company Inc. representatives or by contacting the address below.

### ESSENTIAL PROPERTIES

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	Typical <u>Average</u>	Max./Min. Individual <u>Sample</u>	Comparable ASTM <u>Test Procedure</u>
Bulk Density (gm/cc) (Solid)	1.60	1.50	ASTM C559

### INFORMATIONAL PROPERTIES

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850°C Joint Strength (kPa) (Measured on Graphite at 20°C)	10300		
Thermal Conductivity (W/m <sup>2</sup> K) (at 20°C)	5		ASTM C714

**GRAFTech**

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