

	Product Specifications <i>Industrial Ceramics Business</i>	ICB/QSP/B1PS Revision: R0
Grindwell Norton Ltd.		Page 1 of 1

Product: RC 4128

I. Description: RC 4128 is an Oxide bonded Silicon carbide based product, which is used in Kiln Furniture. It is featured with high bending strength at elevated temperature, good abrasion resistance, Resistance to thermal shock, high thermal conductivity and offers a good life.

II. Physical Properties:

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|--|-----------------------------------|
| 1. Bulk Density | : 2.45 g/cc Min. |
| 2. Apparent Porosity | : 18 % Max. |
| 3. Cold Crushing Strength | : 600 kg/cm ² Min. |
| 4. Cold Modulus of Rupture (At room temperature) | : 180 kg/cm ² Min. |
| 5. Hot Modulus of Rupture (At 1250°C) | : 225 kg/cm ² Min. |
| 6. Hot Modulus of Rupture (At 1400°C) | : 200 kg/cm ² Min. |
| 7. Thermal Conductivity | : 10 W/mK Typ. |
| 8. Co-Efficient of Thermal Expansion | : 5.6 X 10 ⁻⁶ /°C Typ. |
| 9. Maximum use Temperature | : 1500 °C |

III. Typical Chemical Properties

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|--------------------|--------|
| 1. Silicon Carbide | : 83 % |
| 2. Silica | : 16 % |
| 3. Iron Oxide | : 0.8 |

IV. Storage: Store in a dry place.

V. Shelf Life: Not applicable

Prepared by: JA	Issued by: ECJ	Approved by: BG
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