

Chosun Refractories SB85S Bricks, Oxide Bonded SiC

Category : Ceramic , Carbide

Material Notes:

Information provided by Chosun Refractories via Korea Institute of Ceramic Engineering and Technology (KICET).

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chosun-Refractories-SB85S-Bricks-Oxide-Bonded-SiC.php

| Physical Properties | Metric | English | Comments |
|---------------------|------------|----------------------------|----------|
| Bulk Density | 2.665 g/cc | 0.09628 lb/in ³ | |
| Porosity | 13 % | 13 % | |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|----------------------|----------------------|------------------------|
| Modulus of Rupture | 0.02943 GPa | 4.269 ksi | |
| | @Temperature 250 °C | @Temperature 482 °F | |
| Compressive Strength | 0.034335 GPa | 4.9799 ksi | |
| | @Temperature 1400 °C | @Temperature 2550 °F | |
| | 118 MPa | 17100 psi | Cold Crushing Strength |

| Thermal Properties | Metric | English | Comments |
|--------------------|----------------------|----------------------|----------|
| CTE, linear | 4.50 μm/m-°C | 2.50 μin/in-°F | |
| | @Temperature 1000 °C | @Temperature 1830 °F | |

| Component Elements Properties | Metric | English | Comments |
|-------------------------------|--------|---------|----------|
| Fe2O3 | 0.40 % | 0.40 % | |
| SiC | 85 % | 85 % | |

| Descriptive Properties | Value | Comments |
|------------------------------------|-------|----------|
| Refractories Under Load(2kg/?,T2?) | 1,700 | |

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