

## Chosun Refractories SBN-1 Bricks, Reaction 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-SBN-1-Bricks-Reaction-Bonded-SiC.php](http://www.lookpolymers.com/polymer_Chosun-Refractories-SBN-1-Bricks-Reaction-Bonded-SiC.php)

Physical Properties	Metric	English	Comments
Bulk Density	2.65 g/cc	0.0957 lb/in <sup>3</sup>	
Porosity	14 %	14 %	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.04905 GPa	7.114 ksi	
	@Temperature 250 °C	@Temperature 482 °F	
Compressive Strength	0.04905 GPa	7.114 ksi	
	@Temperature 1400 °C	@Temperature 2550 °F	
	177 MPa	25600 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
CTE, linear	4.20 μm/m-°C	2.33 μin/in-°F	
	@Temperature 1000 °C	@Temperature 1830 °F	

Component Elements Properties	Metric	English	Comments
Fe2O3	0.30 %	0.30 %	
SiC	77 %	77 %	

Descriptive Properties	Value	Comments
Chemical Analysis(%),Si3N4	16	
Refractories Under Load(2kg/?,T?)	1,700<	

## Contact Songhan Plastic Technology Co.,Ltd.

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