

Chosun Refractories SBSN 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-SBSN-Bricks-Reaction-Bonded-SiC.php

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

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.044145 GPa	6.4028 ksi	
	@Temperature 250 °C	@Temperature 482 °F	
Compressive Strength	0.044145 GPa	6.4028 ksi	
	@Temperature 1400 °C	@Temperature 2550 °F	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
CTE, linear	4.30 μm/m-°C	2.39 μin/in-°F	
	@Temperature 1000 °C	@Temperature 1830 °F	

Component Elements Properties	Metric	English	Comments
Fe2O3	0.30 %	0.30 %	
SiC	81 %	81 %	

Descriptive Properties	Value	Comments
Chemical Analysis(%),Si2ON2	5	
Chemical Analysis(%),Si3N4	10	
Refractories Under Load(2kg/?,T2?)	1,700<	

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