

Chosun Refractories SC40 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-SC40-Bricks-Oxide-Bonded-SiC.php

Physical Properties	Metric	English	Comments
Bulk Density	2.55 g/cc	0.0921 lb/in ³	
Porosity	17 %	17 %	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00981 GPa	1.42 ksi	
	@Temperature 1400 °C	@Temperature 2550 °F	
Compressive Strength	0.014715 GPa	2.1343 ksi	
	@Temperature 250 °C	@Temperature 482 °F	
Compressive Strength	68.6 MPa	9960 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
CTE, linear	5.40 μm/m-°C	3.00 μin/in-°F	
	@Temperature 1000 °C	@Temperature 1830 °F	

Component Elements Properties	Metric	English	Comments
Fe2O3	1.6 %	1.6 %	
SiC	42 %	42 %	

Descriptive Properties	Value	Comments
Refractories Under Load(2kg/?,T2?)	1,450	

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