

Chosun Refractories SF-S Hard Fireclay brick

Category : Ceramic

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-SF-S-Hard-Fireclay-brick.php

Physical Properties	Metric	English	Comments
Bulk Density	2.20 g/cc	0.0795 lb/in ³	
Porosity	11 %	11 %	

Mechanical Properties	Metric	English	Comments
Compressive Strength	98.1 MPa	14200 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
CTE, linear	6.00 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	3.33 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	
	@Temperature 1000 $^{\circ}\text{C}$	@Temperature 1830 $^{\circ}\text{F}$	
Shrinkage	-0.200 - 0.20 %	-0.200 - 0.20 %	
	@Temperature 1350 $^{\circ}\text{C}$, Time 7200 sec	@Temperature 2460 $^{\circ}\text{F}$, Time 2.00 hour	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	26 %	26 %	
Fe ₂ O ₃	1.5 %	1.5 %	

Descriptive Properties	Value	Comments
Quality	Anti-acid, Fire Proof	
Refractories Under Load(2kg/?,T2?)	1,300	
Refractoriness (SK)	1,200?	

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