

Chosun Refractories SF31S 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-SF31S-Hard-Fireclay-brick.php

Physical Properties	Metric	English	Comments
Bulk Density	2.17 g/cc	0.0784 lb/in ³	
Porosity	13 %	13 %	

Mechanical Properties	Metric	English	Comments
Compressive Strength	58.8 MPa	8530 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
CTE, linear	4.20 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	2.33 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature 1000 °C	@Temperature 1830 °F	
Shrinkage	-0.200 - 0.20 %	-0.200 - 0.20 %	
	@Temperature 1350 °C, Time 7200 sec	@Temperature 2460 °F, Time 2.00 hour	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	28 %	28 %	
Fe ₂ O ₃	1.3 %	1.3 %	

Descriptive Properties	Value	Comments
Quality	Anti-abrasion, Anti-spalling, Anti-corrosion	
Refractories Under Load(2kg/?,T2?)	1,350	
Refractoriness (SK)	31	

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