

Chosun Refractories SAL60 Special Alumina brick

Category : Ceramic , Oxide , Aluminum Oxide

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-SAL60-Special-Alumina-brick.php

Physical Properties	Metric	English	Comments
Bulk Density	2.50 g/cc	0.0903 lb/in ³	
Porosity	17 %	17 %	

Mechanical Properties	Metric	English	Comments
Compressive Strength	63.7 MPa	9250 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
CTE, linear	5.30 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	2.94 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	
	@Temperature 1000 $^{\circ}\text{C}$	@Temperature 1830 $^{\circ}\text{F}$	
Shrinkage	-0.300 - 0.30 %	-0.300 - 0.30 %	
	@Temperature 1600 $^{\circ}\text{C}$, Time 7200 sec	@Temperature 2910 $^{\circ}\text{F}$, Time 2.00 hour	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	62 %	62 %	
Fe ₂ O ₃	1.5 %	1.5 %	

Descriptive Properties	Value	Comments
Main Application	Lime Kiln, Cement Kiln, Various Rotary kiln, Reheating furnace, Glass melting Tank, Various furnace	
Refractories Under Load(2kg/?,T2?)	1,580	
Refractoriness (SK)	37	

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