

Chosun Refractories H-3 High 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-H-3-High-Alumina-brick.php

Physical Properties	Metric	English	Comments
Bulk Density	2.38 g/cc	0.0860 lb/in ³	
Porosity	20 %	20 %	

Mechanical Properties	Metric	English	Comments
Compressive Strength	44.1 MPa	6400 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 1500 $^\circ\text{C}$, Time 7200 sec	@Temperature 2730 $^\circ\text{F}$, Time 2.00 hour	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	52 %	52 %	
Fe ₂ O ₃	1.6 %	1.6 %	

Descriptive Properties	Value	Comments
Main Application	Used in various furnace as bricks in accordance with KSL	
Refractories Under Load(2kg/?,T?)	1,470	
Refractoriness (SK)	36=	

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