

Chosun Refractories SAL85BR Special 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-SAL85BR-Special-High-Alumina-brick.php

Physical Properties	Metric	English	Comments
Bulk Density	3.25 g/cc	0.117 lb/in ³	
Porosity	18 %	18 %	

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

Thermal Properties	Metric	English	Comments
CTE, linear	7.80 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	4.33 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	
	@Temperature 1000 $^{\circ}\text{C}$	@Temperature 1830 $^{\circ}\text{F}$	
Shrinkage	0.00 %	0.00 %	
	@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	83 %	83 %	
Cr ₂ O ₃	10 %	10 %	
Fe ₂ O ₃	0.30 %	0.30 %	

Descriptive Properties	Value	Comments
Main Application	Carbon productur, Glass Melting furnace, Various High-temp. furnace	
Refractories Under Load(2kg/?,T2?)	1,700	
Refractoriness (SK)	42	

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