

Chosun Refractories SAL99 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-SAL99-Special-High-Alumina-brick.php

Physical Properties	Metric	English	Comments
Bulk Density	3.30 g/cc	0.119 lb/in ³	
Porosity	15 %	15 %	

Mechanical Properties	Metric	English	Comments
Compressive Strength	88.3 MPa	12800 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
CTE, linear	7.80 $\mu\text{m}/\text{m}\cdot\text{°C}$	4.33 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 1000 °C	@Temperature 1830 °F	
Shrinkage	0.00 %	0.00 %	
	@Temperature 1500 °C, Time 7200 sec	@Temperature 2730 °F, Time 2.00 hour	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	99 %	99 %	
Fe ₂ O ₃	0.10 %	0.10 %	

Descriptive Properties	Value	Comments
Main Application	Ammonia plant, Carbon Productor, Rotary kiln, Shaft kiln, Various high-temp. furnace	
Refractories Under Load(2kg/?,T2?)	1,700 T1	
Refractoriness (SK)	42	

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