

Chosun Refractories N3-1 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-N3-1-Fireclay-brick.php

Physical Properties	Metric	English	Comments
Bulk Density	2.15 g/cc	0.0777 lb/in ³	
Porosity	19 %	19 %	

Mechanical Properties	Metric	English	Comments
Compressive Strength	34.3 MPa	4980 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
CTE, linear	5.30 $\mu\text{m}/\text{m}\cdot\text{°C}$	2.94 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 1000 °C	@Temperature 1830 °F	
Shrinkage	-0.500 - 0.50 %	-0.500 - 0.50 %	
	@Temperature 1350 °C, Time 7200 sec	@Temperature 2460 °F, Time 2.00 hour	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	35 %	35 %	
Fe ₂ O ₃	2.0 %	2.0 %	

Descriptive Properties	Value	Comments
Refractories Under Load(2kg/?,T?)	1,310	
Refractoriness (SK)	32=	

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