

Chosun Refractories AH-4 Acid-Proof and Heat-Resistant Brick

Category : Ceramic , Oxide , Silicon 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-AH-4-Acid-Proof-and-Heat-Resistant-Brick.php

Physical Properties	Metric	English	Comments
Bulk Density	2.15 g/cc	0.0777 lb/in ³	
Water Absorption	7.0 %	7.0 %	

Mechanical Properties	Metric	English	Comments
Compressive Strength	68.6 MPa	9960 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
CTE, linear	5.00 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	2.78 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature 1000 $^\circ\text{C}$	@Temperature 1830 $^\circ\text{F}$	
Maximum Service Temperature, Air	800 $^\circ\text{C}$	1470 $^\circ\text{F}$	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	26 %	26 %	
Fe ₂ O ₃	1.5 %	1.5 %	
SiO ₂	66 %	66 %	

Descriptive Properties	Value	Comments
Qualities	Fireclay Acid proof and Heat-resistant	

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