

Chosun Refractories AH-3 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-3-Acid-Proof-and-Heat-Resistant-Brick.php

Physical Properties	Metric	English	Comments
Bulk Density	2.10 g/cc	0.0759 lb/in ³	
Water Absorption	6.0 %	6.0 %	

Mechanical Properties	Metric	English	Comments
Compressive Strength	78.5 MPa	11400 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
CTE, linear	5.00 $\mu\text{m}/\text{m}\cdot\text{C}$	2.78 $\mu\text{in}/\text{in}\cdot\text{F}$	
	@Temperature 1000 °C	@Temperature 1830 °F	
Maximum Service Temperature, Air	600 °C	1110 °F	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	24 %	24 %	
Fe ₂ O ₃	1.2 %	1.2 %	
SiO ₂	68 %	68 %	

Descriptive Properties	Value	Comments
Qualities	Acid proof and Heat-resistant	

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