

Chosun Refractories AC-1 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-AC-1-Acid-Proof-and-Heat-Resistant-Brick.php

Physical Properties	Metric	English	Comments
Bulk Density	2.20 g/cc	0.0795 lb/in ³	
Water Absorption	0.30 %	0.30 %	

Mechanical Properties	Metric	English	Comments
Compressive Strength	118 MPa	17100 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
CTE, linear	6.80 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	3.78 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature 1000 $^\circ\text{C}$	@Temperature 1830 $^\circ\text{F}$	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	18 %	18 %	
Fe ₂ O ₃	0.50 %	0.50 %	
SiO ₂	76 %	76 %	

Descriptive Properties	Value	Comments
Qualities	Acid proof	

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