

## Chosun Refractories N1-1 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-N1-1-Fireclay-brick.php](http://www.lookpolymers.com/polymer_Chosun-Refractories-N1-1-Fireclay-brick.php)

Physical Properties	Metric	English	Comments
Bulk Density	2.25 g/cc	0.0813 lb/in <sup>3</sup>	
Porosity	19 %	19 %	

Mechanical Properties	Metric	English	Comments
Compressive Strength	39.2 MPa	5690 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
CTE, linear	5.60 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	3.11 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	
	@Temperature 1000 $^{\circ}\text{C}$	@Temperature 1830 $^{\circ}\text{F}$	
Shrinkage	-0.500 - 0.50 %	-0.500 - 0.50 %	
	@Temperature 1400 $^{\circ}\text{C}$ , Time 7200 sec	@Temperature 2550 $^{\circ}\text{F}$ , Time 2.00 hour	

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	40 %	40 %	
Fe <sub>2</sub> O <sub>3</sub>	1.9 %	1.9 %	

Descriptive Properties	Value	Comments
Refractories Under Load(2kg/?,T?)	1,370	
Refractoriness (SK)	34=	

## Contact Songhan Plastic Technology Co.,Ltd.

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