

## Chosun Refractories N4-1 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-N4-1-Fireclay-brick.php](http://www.lookpolymers.com/polymer_Chosun-Refractories-N4-1-Fireclay-brick.php)

Physical Properties	Metric	English	Comments
Bulk Density	2.15 g/cc	0.0777 lb/in <sup>3</sup>	
Porosity	20 %	20 %	

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

Thermal Properties	Metric	English	Comments
CTE, linear	5.70 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	3.17 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature 1000 $^\circ\text{C}$	@Temperature 1830 $^\circ\text{F}$	
Shrinkage	-0.500 - 0.50 %	-0.500 - 0.50 %	
	@Temperature 1350 $^\circ\text{C}$ , Time 7200 sec	@Temperature 2460 $^\circ\text{F}$ , Time 2.00 hour	

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	32 %	32 %	
Fe <sub>2</sub> O <sub>3</sub>	2.0 %	2.0 %	

Descriptive Properties	Value	Comments
Refractories Under Load(2kg/?,T?)	1,310	
Refractoriness (SK)	31=	

## Contact Songhan Plastic Technology Co.,Ltd.

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