

## Chosun Refractories SF33 Hard 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-SF33-Hard-Fireclay-brick.php](http://www.lookpolymers.com/polymer_Chosun-Refractories-SF33-Hard-Fireclay-brick.php)

Physical Properties	Metric	English	Comments
Bulk Density	2.25 g/cc	0.0813 lb/in <sup>3</sup>	
Porosity	15 %	15 %	

Mechanical Properties	Metric	English	Comments
Compressive Strength	53.9 MPa	7820 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	-0.200 - 0.20 %	-0.200 - 0.20 %	
	@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>	38 %	38 %	
Fe <sub>2</sub> O <sub>3</sub>	1.3 %	1.3 %	

Descriptive Properties	Value	Comments
Quality	Anti-abrasion, Anti-spalling, Anti-corrosion	
Refractories Under Load(2kg/?,T2?)	1,480	
Refractoriness (SK)	33	

## Contact Songhan Plastic Technology Co.,Ltd.

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