

## Chosun Refractories SAL90CR Special High Alumina brick

Category : Ceramic , Oxide , Aluminum 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-SAL90CR-Special-High-Alumina-brick.php](http://www.lookpolymers.com/polymer_Chosun-Refractories-SAL90CR-Special-High-Alumina-brick.php)

Physical Properties	Metric	English	Comments
Bulk Density	3.10 g/cc	0.112 lb/in <sup>3</sup>	
Porosity	16 %	16 %	

Mechanical Properties	Metric	English	Comments
Compressive Strength	88.3 MPa	12800 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
CTE, linear	7.10 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	3.94 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature 1000 °C	@Temperature 1830 °F	
Shrinkage	0.00 %	0.00 %	
	@Temperature 1500 °C, Time 7200 sec	@Temperature 2730 °F, Time 2.00 hour	

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	90 %	90 %	
Cr <sub>2</sub> O <sub>3</sub>	4.0 %	4.0 %	
Fe <sub>2</sub> O <sub>3</sub>	0.30 %	0.30 %	

Descriptive Properties	Value	Comments
Main Application	Electric kiln, Cupolar, Incinerator, Various High-temp. furnace	
Refractories Under Load(2kg/?,T2?)	1,700 T2	
Refractoriness (SK)	41	

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