

## Chosun Refractories SAL75Z(ACD) Special 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-SAL75ZACD-Special-Alumina-brick.php](http://www.lookpolymers.com/polymer_Chosun-Refractories-SAL75ZACD-Special-Alumina-brick.php)

Physical Properties	Metric	English	Comments
Bulk Density	2.80 g/cc	0.101 lb/in <sup>3</sup>	
Porosity	17 %	17 %	

Mechanical Properties	Metric	English	Comments
Compressive Strength	78.5 MPa	11400 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
CTE, linear	5.00 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	2.78 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature 1000 $^\circ\text{C}$	@Temperature 1830 $^\circ\text{F}$	
Shrinkage	-0.300 - 0.30 %	-0.300 - 0.30 %	
	@Temperature 1600 $^\circ\text{C}$ , Time 7200 sec	@Temperature 2910 $^\circ\text{F}$ , Time 2.00 hour	

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	78 %	78 %	
Fe <sub>2</sub> O <sub>3</sub>	1.0 %	1.0 %	

Descriptive Properties	Value	Comments
Main Application	Lime Kiln, Cement Kiln, Various Rotary kiln	
Refractories Under Load(2kg/?,T?)	1,650	
Refractoriness (SK)	39	

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