

## Chosun Refractories CSN-309N Plate 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-CSN-309N-Plate-Brick.php](http://www.lookpolymers.com/polymer_Chosun-Refractories-CSN-309N-Plate-Brick.php)

Physical Properties	Metric	English	Comments
Bulk Density	3.00 - 3.10 g/cc	0.108 - 0.112 lb/in <sup>3</sup>	
Porosity	7.0 - 10 %	7.0 - 10 %	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	<= 0.00981 GPa @Temperature 1400 °C	<= 1.42 ksi @Temperature 2550 °F	
Compressive Strength	<= 127 MPa	<= 18500 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
CTE, linear	8.00 - 10.0 µm/m-°C @Temperature 1000 °C	4.44 - 5.56 µin/in-°F @Temperature 1830 °F	

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	72 - 76 %	72 - 76 %	
Carbon, C	7.0 - 10 %	7.0 - 10 %	
ZrO <sub>2</sub>	6.0 - 8.0 %	6.0 - 8.0 %	

Descriptive Properties	Value	Comments
Remarks	Non-Smoking, Spalling resistance, Corrosion Resistance	

## Contact Songhan Plastic Technology Co.,Ltd.

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