

Chosun Refractories SSN-787N 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-SSN-787N-Plate-Brick.php

Physical Properties	Metric	English	Comments
Bulk Density	3.15 - 3.30 g/cc	0.114 - 0.119 lb/in ³	
Porosity	5.0 - 7.0 %	5.0 - 7.0 %	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	<= 0.014715 GPa @Temperature 1400 °C	<= 2.1343 ksi @Temperature 2550 °F	
Compressive Strength	<= 157 MPa	<= 22800 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 ₂ O ₃	80 - 85 %	80 - 85 %	
Carbon, C	6.0 - 8.0 %	6.0 - 8.0 %	
ZrO ₂	4.0 - 7.0 %	4.0 - 7.0 %	

Descriptive Properties	Value	Comments
Remarks	Strong resistance to thermal spalling, Excellent durability for corrosion	

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