

Chosun Refractories BPR-S Gas Purging Refractory

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-BPR-S-Gas-Purging-Refractory.php

Physical Properties	Metric	English	Comments
Bulk Density	2.85 - 2.95 g/cc	0.103 - 0.107 lb/in ³	
Porosity	21 - 25 %	21 - 25 %	

Mechanical Properties	Metric	English	Comments
Compressive Strength	<= 19.6 MPa	<= 2840 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
CTE, linear	5.00 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$ @Temperature 1000 °C	2.78 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$ @Temperature 1830 °F	

Component Elements Properties	Metric	English	Comments
Al2O3	83 - 88 %	83 - 88 %	
Cr2O3	1.0 - 3.0 %	1.0 - 3.0 %	
ZrO2	3.0 - 5.0 %	3.0 - 5.0 %	

Descriptive Properties	Value	Comments
Main Application	Porous Nozzle, High durability for steel infiltration	
Permeability(? ,cm/? ,sec,h2o,cm)	1..3	

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