

Chosun Refractories BPR-DS 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-DS-Gas-Purging-Refractory.php

Physical Properties	Metric	English	Comments
Bulk Density	2.40 - 2.50 g/cc	0.0867 - 0.0903 lb/in ³	
Porosity	22 - 26 %	22 - 26 %	

Mechanical Properties	Metric	English	Comments
Compressive Strength	<= 24.5 MPa	<= 3560 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
CTE, linear	4.00 µm/m-°C	2.22 µin/in-°F	
	@Temperature 1000 °C	@Temperature 1830 °F	

Component Elements Properties	Metric	English	Comments
Al2O3	72 - 77 %	72 - 77 %	
Cr2O3	1.0 - 2.0 %	1.0 - 2.0 %	
ZrO2	5.0 - 7.0 %	5.0 - 7.0 %	

Descriptive Properties	Value	Comments
Main Application	Porous Nozzle, High durability for steel infiltration	
Permeability(? ,cm/? ,sec,h2o,cm)	1.3	

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