

Chosun Refractories joint-1 Blast Furnace Runner 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-joint-1-Blast-Furnace-Runner-Refractory.php

Physical Properties	Metric	English	Comments
Bulk Density	2.70 g/cc	0.0975 lb/in ³	
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	
	2.78 g/cc	0.100 lb/in ³	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.0066708 GPa	0.96753 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.01138 GPa	1.650 ksi	
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	
Compressive Strength	34.3 MPa	4980 psi	Cold Crushing Strength
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	49.0 MPa	7110 psi	Cold Crushing Strength
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	72 %	72 %	
SiO2	5.0 %	5.0 %	

Descriptive Properties	Value	Comments
Chemical Analysis(%),SiC+C	17	
Installation Method	Block Joint	

Main Applications Descriptive Properties		Block joint iron runner Value	Comments
Water Required for Casting(%)		6.0	

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