

Chosun Refractories RGM-20 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-RGM-20-Blast-Furnace-Runner-Refractory.php

Physical Properties	Metric	English	Comments
Bulk Density	2.40 g/cc	0.0867 lb/in ³	
	@Temperature 1450 °C, Time 7200 sec	@Temperature 2640 °F, Time 2.00 hour	
	2.50 g/cc	0.0903 lb/in ³	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
Porosity	24.3 %	24.3 %	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	27.2 %	27.2 %	
	@Temperature 1450 °C, Time 7200 sec	@Temperature 2640 °F, Time 2.00 hour	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.0074556 GPa	1.0814 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.00981 GPa	1.42 ksi	
	@Temperature 1450 °C, Time 10800 sec	@Temperature 2640 °F, Time 3.00 hour	
Compressive Strength	13.6 MPa	1980 psi	Cold Crushing Strength
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	28.7 MPa	4170 psi	Cold Crushing Strength
	@Temperature 1450 °C, Time 7200 sec	@Temperature 2640 °F, Time 2.00 hour	

Thermal Properties	Metric	English	Comments
Shrinkage	-0.220 %	-0.220 %	

Thermal Properties	Metric	English	Comments
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Component Elements Properties	Metric	English	Comments
Al2O3	64 %	64 %	
SiC	16 %	16 %	

Descriptive Properties	Value	Comments
Installation Method	Spray	
Main Applications	Main runner Gunning Material	
Material Required for Estimating (kg/?)	2,500	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China