

Chosun Refractories FM 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-FM-Blast-Furnace-Runner-Refractory.php

Physical Properties	Metric	English	Comments
Bulk Density	2.95 g/cc	0.107 lb/in ³	
	@Temperature 1450 °C, Time 7200 sec	@Temperature 2640 °F, Time 2.00 hour	
	3.04 g/cc	0.110 lb/in ³	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.0047088 GPa	0.68296 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.01442 GPa	2.092 ksi	
	@Temperature 1450 °C, Time 10800 sec	@Temperature 2640 °F, Time 3.00 hour	
Compressive Strength	24.5 MPa	3560 psi	Cold Crushing Strength
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	77.3 MPa	11200 psi	Cold Crushing Strength
	@Temperature 1450 °C, Time 7200 sec	@Temperature 2640 °F, Time 2.00 hour	

Thermal Properties	Metric	English	Comments
Shrinkage	-0.250 %	-0.250 %	
	@Temperature 1450 °C, Time 7200 sec	@Temperature 2640 °F, Time 2.00 hour	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	81 %	81 %	
MgO	4.0 %	4.0 %	

Descriptive Properties	Value	Comments
Chemical Analysis(%),SiC+C	10	
Installation Method	Casing Vibrating	
Main Applications	Tilting runner	
Material Required for Estimating (kg/?)	3,100	
Water Required for Casting(%)	5.8	

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