

Chosun Refractories SW88 Special High-Density Gunning Castable

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-SW88-Special-High-Density-Gunning-Castable.php

Physical Properties	Metric	English	Comments
Bulk Density	2.68 g/cc	0.0968 lb/in ³	
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	
	2.79 g/cc	0.101 lb/in ³	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	2.81 g/cc	0.102 lb/in ³	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
Porosity	23.5 %	23.5 %	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	24.5 %	24.5 %	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	25.5 %	25.5 %	
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.0024525 GPa	0.35571 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.006867 GPa	0.9960 ksi	
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	
	0.010791 GPa	1.5651 ksi	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	

Thermal Properties	Metric	English	Comments
Shrinkage	-0.200 %	-0.200 %	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	-0.0500 %	-0.0500 %	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	1.4 %	1.4 %	
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	88 %	88 %	
SiO2	9.0 %	9.0 %	

Descriptive Properties	Value	Comments
Main Applications	Ladle	

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