

Chosun Refractories A70 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-A70-Special-High-Density-Gunning-Castable.php

Physical Properties	Metric	English	Comments
Bulk Density	2.57 g/cc	0.0928 lb/in ³	
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	
	2.59 g/cc	0.0936 lb/in ³	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	2.62 g/cc	0.0947 lb/in ³	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
Porosity	17.5 %	17.5 %	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	19.5 %	19.5 %	
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	
	21 %	21 %	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.0073575 GPa	1.0671 ksi	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	0.007848 GPa	1.138 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.011772 GPa	1.7074 ksi	
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	

Thermal Properties	Metric	English	Comments
Shrinkage	-0.500 %	-0.500 %	
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	
	-0.150 %	-0.150 %	
	@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	

Component Elements Properties	Metric	English	Comments
Al2O3	70 %	70 %	
SiC	8.0 %	8.0 %	
SiO2	19 %	19 %	

Descriptive Properties	Value	Comments
Main Applications	Special furnaces Main runner	
Material Required for Estimating (kg/?)	2,600	

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