

Chosun Refractories SFC-90SC High-Alumina 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-SFC-90SC-High-Alumina-Castable.php

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.016677 GPa	2.4188 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.022563 GPa	3.2725 ksi	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	0.023544 GPa	3.4148 ksi	
	@Temperature 1400 °C, Time 10800 sec	@Temperature 2550 °F, Time 3.00 hour	
Compressive Strength	93.2 MPa	13500 psi	Cold Crushing Strength
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	98.1 MPa	14200 psi	Cold Crushing Strength
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	108 MPa	15600 psi	Cold Crushing Strength
	@Temperature 1400 °C, Time 10800 sec	@Temperature 2550 °F, Time 3.00 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1800 °C	3270 °F	limited
Shrinkage	-0.350 %	-0.350 %	
	@Temperature 1400 °C, Time 10800 sec	@Temperature 2550 °F, Time 3.00 hour	
	-0.100 %	-0.100 %	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	-0.0300 %	-0.0300 %	
	@Temperature 110 °C,	@Temperature 230 °F,	

Thermal Properties	Time 86400 sec Metric	Time 24.0 hour English	Comments
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Component Elements Properties	Metric	English	Comments
Al2O3	95 %	95 %	
SiO2	4.0 %	4.0 %	

Descriptive Properties	Value	Comments
Installation Method	Self Flowing	
Material Required for Estimating(kg/?)	3,100	
Water Required for Casting(%)	5-5.5	

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