

Chosun Refractories SFC-70R 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-70R-High-Alumina-Castable.php

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.006867 GPa	0.9960 ksi	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	0.00981 GPa	1.42 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.014715 GPa	2.1343 ksi	
	@Temperature 1350 °C, Time 10800 sec	@Temperature 2460 °F, Time 3.00 hour	
Compressive Strength	41.2 MPa	5970 psi	Cold Crushing Strength
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	51.0 MPa	7400 psi	Cold Crushing Strength
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	74.5 MPa	10800 psi	Cold Crushing Strength
	@Temperature 1350 °C, Time 10800 sec	@Temperature 2460 °F, Time 3.00 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1700 °C	3090 °F	limited
Shrinkage	-0.0600 %	-0.0600 %	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	-0.0300 %	-0.0300 %	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	

Component Elements Properties	Metric	English	Comments

Al2O3 Component Elements Properties	Metric 75 %	English 75 %	Comments
SiO2	17 %	17 %	

Descriptive Properties	Value	Comments
Installation Method	Self Flowing	
Material Required for Estimating(kg/?)	2,480	
Water Required for Casting(%)	6.3-6.7	

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