

Chosun Refractories SFC-60 SiC Castable

Category : Ceramic , Carbide

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-60-SiC-Castable.php

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.008829 GPa	1.281 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.017658 GPa	2.5611 ksi	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	0.022563 GPa	3.2725 ksi	
	@Temperature 1350 °C, Time 10800 sec	@Temperature 2460 °F, Time 3.00 hour	
Compressive Strength	49.0 MPa	7110 psi	Cold Crushing Strength
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	83.4 MPa	12100 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 1350 °C, Time 10800 sec	@Temperature 2460 °F, Time 3.00 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1600 °C	2910 °F	limited
Shrinkage	-0.130 %	-0.130 %	
	@Temperature 1350 °C, Time 10800 sec	@Temperature 2460 °F, Time 3.00 hour	
	-0.0900 %	-0.0900 %	
	@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
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Al2O3	22 %	22 %	
SiC	63 %	63 %	

Descriptive Properties	Value	Comments
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Installation Method	Self Flowing	
Material Required for Estimating(kg/?)	2,570	

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