

Chosun Refractories SCX-90IP Plastic Refractory

Category : Ceramic

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-SCX-90IP-Plastic-Refractory.php

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	8.66e-7 - 0.00589 GPa	0.000126 - 0.854 ksi	
	@Temperature 350 °C, Time 86400 sec	@Temperature 662 °F, Time 24.0 hour	
	9.62361e-7 - 0.006867 GPa	0.000139581 - 0.9960 ksi	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
Compressive Strength	19.6 - 29.4 MPa	2840 - 4270 psi	Cold Crushing Strength
	@Temperature 350 °C, Time 86400 sec	@Temperature 662 °F, Time 24.0 hour	
	19.6 - 29.4 MPa	2840 - 4270 psi	Cold Crushing Strength
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	6.65323 W/m-K	46.0987 BTU-in/hr-ft ² -°F	
	@Temperature 500 °C	@Temperature 932 °F	
	7.80475 W/m-K	54.0774 BTU-in/hr-ft ² -°F	
	@Temperature 1000 °C	@Temperature 1830 °F	
Maximum Service Temperature, Air	1800 °C	3270 °F	limited
Shrinkage	-0.160 %	-0.160 %	
	@Temperature 350 °C, Time 86400 sec	@Temperature 662 °F, Time 24.0 hour	
	-0.0500 %	-0.0500 %	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	

Component Elements Properties	Metric	English	Comments
-------------------------------	--------	---------	----------

Component Elements Properties	Metric	English	Comments
SiO2	4.0 %	4.0 %	

Descriptive Properties	Value	Comments
Main Applications	Resistance to chemical reaction High conductivity resistance to abrasion	
Material Required for Estimating (kg/?)	2,400	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China