

Chosun Refractories MIX-1(1:4) Light-Weight Gunning Castable

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-MIX-114-Light-Weight-Gunning-Castable.php

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	3.37e-7 - 0.00245 GPa	0.0000489 - 0.356 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.000981 - 0.0024525 GPa	0.142 - 0.35571 ksi	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
Compressive Strength	4.90 - 14.7 MPa	711 - 2130 psi	Cold Crushing Strength
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	9.81 - 19.6 MPa	1420 - 2840 psi	Cold Crushing Strength
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.233 - 0.4653 W/m-K	1.61 - 3.224 BTU-in/hr-ft ² -°F	
	@Temperature 540 °C	@Temperature 1000 °F	
	0.349 - 0.6979 W/m-K	2.42 - 4.836 BTU-in/hr-ft ² -°F	
	@Temperature 800 °C	@Temperature 1470 °F	
Maximum Service Temperature, Air	1100 °C	2010 °F	limited
Shrinkage	-1.00 - -0.700 %	-1.00 - -0.700 %	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	0.00 %	0.00 %	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	

Descriptive Properties	Value	Comments
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Descriptive Properties	Value	Comments
Main Applications	Petrochemical plant Heater, Boiler	
Material Required for Estimating (kg/?)	1,200-1,500	
Water Required for Casting(%)	35	

Contact Songhan Plastic Technology Co.,Ltd.

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