

Chosun Refractories MIX-3 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-3-Light-Weight-Gunning-Castable.php

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	6.74e-8 - 0.000491 GPa	0.00000977 - 0.0711 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.0002943 - 0.0004905 GPa	0.04269 - 0.07114 ksi	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
Compressive Strength	0.686 - 0.883 MPa	99.6 - 128 psi	Cold Crushing Strength
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	1.47 - 1.96 MPa	213 - 284 psi	Cold Crushing Strength
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.116 - 0.174 W/m-K	0.806 - 1.21 BTU-in/hr- ft ² -°F	
	@Temperature 540 °C	@Temperature 1000 °F	
	0.116 - 0.174 W/m-K	0.806 - 1.21 BTU-in/hr- ft ² -°F	
	@Temperature 800 °C	@Temperature 1470 °F	
Maximum Service Temperature, Air	1000 °C	1830 °F	limited
Shrinkage	-2.00 - -1.50 %	-2.00 - -1.50 %	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	-0.300 - -0.200 %	-0.300 - -0.200 %	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	

Descriptive Properties	Value	Comments
Installation Method	Gunning, Casting(UOP)	
Main Applications	Petrochemical plant Heater, Boiler	
Material Required for Estimating (kg/?)	450-550	
Water Required for Casting(%)	100	

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