

Chosun Refractories GUN-110L 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-GUN-110L-Light-Weight-Gunning-Castable.php

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	1.92e-7 - 0.00118 GPa	0.0000279 - 0.171 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.0006867 - 0.0014715 GPa	0.09960 - 0.21343 ksi	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
Compressive Strength	1.47 - 2.94 MPa	213 - 427 psi	Cold Crushing Strength
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	2.45 - 3.92 MPa	356 - 569 psi	Cold Crushing Strength
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.2792 W/m-K	1.934 BTU-in/hr-ft ² -°F	
	@Temperature 260 °C	@Temperature 500 °F	
	0.3024 W/m-K	2.095 BTU-in/hr-ft ² -°F	
	@Temperature 540 °C	@Temperature 1000 °F	
	0.3257 W/m-K	2.257 BTU-in/hr-ft ² -°F	
	@Temperature 800 °C	@Temperature 1470 °F	
Maximum Service Temperature, Air	1100 °C	2010 °F	limited
Shrinkage	-0.900 %	-0.900 %	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	-0.100 %	-0.100 %	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	29 %	29 %	
SiO2	39 %	39 %	

Descriptive Properties	Value	Comments
Installation Method	Gunning	
Main Applications	General Uses	
Material Required for Estimating (kg/?)	1,100	
Water Required for Casting(%)	Nozzle Mixing	

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