

Chosun Refractories GUN-135L 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-135L-Light-Weight-Gunning-Castable.php

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	3.37e-7 - 0.00196 GPa	0.0000489 - 0.285 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.000981 - 0.001962 GPa	0.142 - 0.2846 ksi	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
Compressive Strength	2.45 - 4.41 MPa	356 - 640 psi	Cold Crushing Strength
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	5.69 - 5.88 MPa	825 - 853 psi	Cold Crushing Strength
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.4653 W/m-K	3.224 BTU-in/hr-ft ² -°F	
	@Temperature 260 °C	@Temperature 500 °F	
	0.48852 W/m-K	3.3849 BTU-in/hr-ft ² -°F	
	@Temperature 540 °C	@Temperature 1000 °F	
	0.55831 W/m-K	3.8684 BTU-in/hr-ft ² -°F	
	@Temperature 800 °C	@Temperature 1470 °F	
Maximum Service Temperature, Air	1350 °C	2460 °F	limited
Shrinkage	-0.400 %	-0.400 %	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	-0.100 %	-0.100 %	
	@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	37 %	37 %	
SiO2	41 %	41 %	

Descriptive Properties	Value	Comments
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Installation Method	Gunning	
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Main Applications	Fireproof insulating Part	
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Material Required for Estimating (kg/?)	1,450	
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Water Required for Casting(%)	Nozzle Mixing	
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