

## Chosun Refractories GUN-140L 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-140L-Light-Weight-Gunning-Castable.php](http://www.lookpolymers.com/polymer_Chosun-Refractories-GUN-140L-Light-Weight-Gunning-Castable.php)

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	2.89e-7 - 0.00177 GPa	0.0000419 - 0.256 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	1.96 - 4.41 MPa	284 - 640 psi	Cold Crushing Strength
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	4.90 - 6.86 MPa	711 - 996 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 <sup>2</sup> -°F	
	@Temperature 260 °C	@Temperature 500 °F	
	0.48852 W/m-K	3.3849 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 540 °C	@Temperature 1000 °F	
	0.55831 W/m-K	3.8684 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 800 °C	@Temperature 1470 °F	
Maximum Service Temperature, Air	1400 °C	2550 °F	limited
Shrinkage	-0.400 %	-0.400 %	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	-0.150 %	-0.150 %	
	@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	47 %	47 %	
SiO2	32 %	32 %	

Descriptive Properties	Value	Comments
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Installation Method	Gynning	
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Main Applications	Fireproof insulating Part	
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Material Required for Estimating (kg/?)	1,500	
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Water Required for Casting(%)	Nozzle Mixing	
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## Contact Songhan Plastic Technology Co.,Ltd.

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