

## Chosun Refractories C40 Special High-Density Gunning Castable

Category : Ceramic , Oxide , Silicon Oxide

**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-C40-Special-High-Density-Gunning-Castable.php](http://www.lookpolymers.com/polymer_Chosun-Refractories-C40-Special-High-Density-Gunning-Castable.php)

Physical Properties	Metric	English	Comments
Bulk Density	2.02 g/cc	0.0730 lb/in <sup>3</sup>	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	2.05 g/cc	0.0741 lb/in <sup>3</sup>	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	23.0 g/cc	0.831 lb/in <sup>3</sup>	
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	
Porosity	19 %	19 %	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	22.5 %	22.5 %	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	23 %	23 %	
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.003924 GPa	0.5691 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.0063765 GPa	0.92485 ksi	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	0.01226 GPa	1.779 ksi	
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	

Thermal Properties	Metric	English	Comments
Shrinkage	-0.800 %	-0.800 %	
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	
	-0.300 %	-0.300 %	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	-0.0500 %	-0.0500 %	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	40 %	40 %	
SiO2	53 %	53 %	

Descriptive Properties	Value	Comments
Main Applications	General furnace	
Material Required for Estimating (kg/?)	2,050	

## Contact Songhan Plastic Technology Co.,Ltd.

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