

## Chosun Refractories INCT-170 Light-Weight Castable

Category : Ceramic , Oxide , Aluminum 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-INCT-170-Light-Weight-Castable.php](http://www.lookpolymers.com/polymer_Chosun-Refractories-INCT-170-Light-Weight-Castable.php)

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	5.77e-7 - 0.00294 GPa	0.0000837 - 0.427 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.0014715 - 0.0044145 GPa	0.21343 - 0.64028 ksi	
	@Temperature 1350 °C, Time 10800 sec	@Temperature 2460 °F, Time 3.00 hour	
	0.002943 - 0.005886 GPa	0.4269 - 0.8537 ksi	
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	
Compressive Strength	4.90 - 14.7 MPa	711 - 2130 psi	Cold Crushing Strength
	@Temperature 1350 °C, Time 10800 sec	@Temperature 2460 °F, Time 3.00 hour	
	9.81 - 19.6 MPa	1420 - 2840 psi	Cold Crushing Strength
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	
	9.81 - 19.6 MPa	1420 - 2840 psi	Cold Crushing Strength
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.8724 W/m-K	6.044 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 1000 °C	@Temperature 1830 °F	
Maximum Service Temperature, Air	1700 °C	3090 °F	limited
Shrinkage	-0.500 %	-0.500 %	
	@Temperature 1350 °C, Time 10800 sec	@Temperature 2460 °F, Time 3.00 hour	
	-0.0300 %	-0.0300 %	

Thermal Properties	@Temperature 110 °C, Metric Time 86400 sec	@Temperature 230 °F, English Time 24.0 hour	Comments
	0.50 %	0.50 %	
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	92 %	92 %	

Descriptive Properties	Value	Comments
Installation Method	Casting, Troweling	
Main Applications	Deoxidizing gas resistance High temp.	
Material Required for Estimating (kg/?)	1,500	
Water Required for Casting(%)	15-20	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China