

## Chosun Refractories INCT-80S Light-Weight 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-INCT-80S-Light-Weight-Castable.php](http://www.lookpolymers.com/polymer_Chosun-Refractories-INCT-80S-Light-Weight-Castable.php)

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	6.74e-8 - 0.000196 GPa	0.00000977 - 0.0285 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
Compressive Strength	0.0001962 - 0.0006867 GPa	0.02846 - 0.09960 ksi	
	@Temperature 500 °C, Time 10800 sec	@Temperature 932 °F, Time 3.00 hour	
Compressive Strength	0.392 - 1.37 MPa	56.9 - 199 psi	Cold Crushing Strength
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
Compressive Strength	0.392 - 1.37 MPa	56.9 - 199 psi	Cold Crushing Strength
	@Temperature 500 °C, Time 10800 sec	@Temperature 932 °F, Time 3.00 hour	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.1396 W/m-K	0.9671 BTU-in/hr- ft <sup>2</sup> -°F	
	@Temperature 260 °C	@Temperature 500 °F	
Thermal Conductivity	0.2210 W/m-K	1.531 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 540 °C	@Temperature 1000 °F	
Thermal Conductivity	0.233 W/m-K	1.61 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 1000 °C	@Temperature 1830 °F	
Maximum Service Temperature, Air	800 °C	1470 °F	limited
Shrinkage	-0.500 %	-0.500 %	
	@Temperature 1350 °C, Time 10800 sec	@Temperature 2460 °F, Time 3.00 hour	
Shrinkage	-0.0600 %	-0.0600 %	
	@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	28 %	28 %	
SiO2	38 %	38 %	

Descriptive Properties	Value	Comments
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Installation Method	Casting, Troweling	
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Main Applications	Low temperature Various furnaces	
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Material Required for Estimating (kg/?)	450	
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Water Required for Casting(%)	140-150	
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## Contact Songhan Plastic Technology Co.,Ltd.

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