

## Chosun Refractories HSC-16SF-W2 Dense and High-Strength Castable, Credens

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-HSC-16SF-W2-Dense-and-High-Strength-Castable-Credens.php](http://www.lookpolymers.com/polymer_Chosun-Refractories-HSC-16SF-W2-Dense-and-High-Strength-Castable-Credens.php)

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.012753 GPa	1.8497 ksi	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	0.014715 GPa	2.1343 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
Compressive Strength	75.5 MPa	11000 psi	Cold Crushing Strength
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	88.3 MPa	12800 psi	Cold Crushing Strength
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1600 °C	2910 °F	limited
Shrinkage	-0.0900 %	-0.0900 %	
	@Temperature 1350 °C, Time 10800 sec	@Temperature 2460 °F, Time 3.00 hour	
	-0.0300 %	-0.0300 %	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	40 %	40 %	
CaO	1.7 %	1.7 %	
SiO2	55 %	55 %	

Processing Properties	Metric	English	Comments
Cure Time	120 - 600 min	2.00 - 10.0 hour	Setting Time

Descriptive Properties	Value	Comments
Installation Method	Vibrating, Casting	
Material Required for Estimating(kg/?)	2,360	
Water Required for Casting(%)	5.5-5.9	

## Contact Songhan Plastic Technology Co.,Ltd.

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