

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

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

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.017658 GPa	2.5611 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.024525 GPa	3.5571 ksi	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	0.026487 GPa	3.8417 ksi	
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	
Compressive Strength	78.5 MPa	11400 psi	Cold Crushing Strength
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	90.2 MPa	13100 psi	Cold Crushing Strength
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	98.1 MPa	14200 psi	Cold Crushing Strength
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1600 °C	2910 °F	limited
Shrinkage	-0.0300 %	-0.0300 %	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.50 %	0.50 %	
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	

Component Elements Properties	Metric	English	Comments

Al2O3 Component Elements Properties	57 % Metric	57 % English	Comments
CaO	2.0 %	2.0 %	
SiO2	38 %	38 %	

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/?)	2,700	
Water Required for Casting(%)	6	

## 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