

Chosun Refractories HACT-150 High Alumina Castables

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-HACT-150-High-Alumina-Castables.php

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.0024525 - 0.0063765 GPa	0.35571 - 0.92485 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.0024525 - 0.0063765 GPa	0.35571 - 0.92485 ksi	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	0.001962 - 0.006867 GPa	0.2846 - 0.9960 ksi	
	@Temperature 1350 °C, Time 10800 sec	@Temperature 2460 °F, Time 3.00 hour	
Compressive Strength	14.7 - 24.5 MPa	2130 - 3560 psi	Cold Crushing Strength
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	14.7 - 24.5 MPa	2130 - 3560 psi	Cold Crushing Strength
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	19.6 - 29.4 MPa	2840 - 4270 psi	Cold Crushing Strength
	@Temperature 1350 °C, Time 10800 sec	@Temperature 2460 °F, Time 3.00 hour	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.582 W/m-K	4.03 BTU-in/hr-ft ² -°F	
	@Temperature 260 °C	@Temperature 500 °F	
	0.61647 W/m-K	4.2714 BTU-in/hr- ft ² -°F	
	@Temperature 540 °C	@Temperature 1000 °F	
Maximum Service Temperature, Air	1500 °C	2730 °F	limited
	-0.400 %	-0.400 %	

Shrinkage Thermal Properties	Metric	English	Comments
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	
	-0.0600 %	-0.0600 %	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	45 %	45 %	
SiO2	47 %	47 %	

Descriptive Properties	Value	Comments
Installation Method	Casting, Troweling	
Material Required for Estimating(kg/?)	2,100	
Water Required for Casting(%)	12.0	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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