

Chosun Refractories PT-160 Plastic Refractory

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-PT-160-Plastic-Refractory.php

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	3.37e-7 - 0.000491 GPa	0.0000489 - 0.0711 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.001962 - 0.004905 GPa	0.2846 - 0.7114 ksi	
	@Temperature 1350 °C, Time 10800 sec	@Temperature 2460 °F, Time 3.00 hour	
	0.004905 - 0.007848 GPa	0.7114 - 1.138 ksi	
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	
Compressive Strength	2.94 - 7.85 MPa	427 - 1140 psi	Cold Crushing Strength
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 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	
	24.5 - 34.3 MPa	3560 - 4980 psi	Cold Crushing Strength
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.97705 W/m-K	6.7697 BTU-in/hr- ft ² -°F	
	@Temperature 500 °C	@Temperature 932 °F	
	1.0585 W/m-K	7.3339 BTU-in/hr- ft ² -°F	
	@Temperature 1000 °C	@Temperature 1830 °F	
Maximum Service Temperature, Air	1600 °C	2910 °F	limited
	-0.700 %	-0.700 %	

Thermal Properties	Metric	English	Comments
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.00 %	0.00 %	
	@Temperature 1350 °C, Time 10800 sec	@Temperature 2460 °F, Time 3.00 hour	
	0.30 %	0.30 %	
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	41 %	41 %	
SiO2	53 %	53 %	

Descriptive Properties	Value	Comments
Main Applications	Volume Stability Spalling resistance	
Material Required for Estimating (kg/?)	2,350	

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