

Chosun Refractories PT-165 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-165-Plastic-Refractory.php

| Mechanical Properties | Metric | English | Comments |
|-----------------------|---|---|------------------------|
| Modulus of Rupture | 3.85e-7 - 0.000981 GPa | 0.0000558 - 0.142 ksi | |
| | @Temperature 110 °C, Time 86400 sec | @Temperature 230 °F, Time 24.0 hour | |
| | 0.002943 - 0.005886 GPa | 0.4269 - 0.8537 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 | 4.90 - 9.81 MPa | 711 - 1420 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 | 1650 °C | 3000 °F | limited |
| | -0.700 % | -0.700 % | |

| Thermal Properties | Metric | English | Comments |
|--------------------|---|---|----------|
| | @Temperature 110 °C, Time 86400 sec | @Temperature 230 °F, Time 24.0 hour | |
| | 0.20 % | 0.20 % | |
| | @Temperature 1500 °C, Time 10800 sec | @Temperature 2730 °F, Time 3.00 hour | |
| | 0.30 % | 0.30 % | |
| | @Temperature 1350 °C, Time 10800 sec | @Temperature 2460 °F, Time 3.00 hour | |

| Component Elements Properties | Metric | English | Comments |
|-------------------------------|--------|---------|----------|
| Al2O3 | 43 % | 43 % | |
| SiO2 | 50 % | 50 % | |

| Descriptive Properties | Value | Comments |
|---|---|----------|
| Main Applications | Heat set Air Set Spalling resistance Volume stability Various furnace | |
| Material Required for Estimating (kg/?) | 2,400 | |

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