

## Sharadaa Ceramics REFINSUL 15LI Insulating Castables Medium/High Purity

Category : Ceramic

### Material Notes:

Description: We offer our clients Insulating Castables that are available in medium as well as high purity. Widely used in various industries, these are renowned for their strength and heat resistance property. Information provided by Sharadaa Ceramics Pvt. Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Sharadaa-Ceramics-REFINSUL-15LI-Insulating-Castables-MediumHigh-Purity.php](http://www.lookpolymers.com/polymer_Sharadaa-Ceramics-REFINSUL-15LI-Insulating-Castables-MediumHigh-Purity.php)

| Physical Properties | Metric          | English                   | Comments                    |
|---------------------|-----------------|---------------------------|-----------------------------|
| Bulk Density        | 1.60 g/cc       | 0.0578 lb/in <sup>3</sup> | Dried at 110 <sup>o</sup> C |
| Grain Size          | <= 6000 $\mu$ m | <= 6000 $\mu$ m           |                             |

| Mechanical Properties | Metric                                   | English                                  | Comments      |
|-----------------------|--|--|---------------|
| Modulus of Rupture    | 0.00312 GPa                              | 0.453 ksi                                |               |
|                       | @Temperature 1100 $\text{\AA}^{\circ}$ C | @Temperature 2010 $\text{\AA}^{\circ}$ F |               |
|                       | 0.00735 GPa                              | 1.07 ksi                                 |               |
|                       | @Temperature 110 $\text{\AA}^{\circ}$ C  | @Temperature 230 $\text{\AA}^{\circ}$ F  |               |
| Compressive Strength  | 0.00883 GPa                              | 1.28 ksi                                 |               |
|                       | @Temperature 1500 $\text{\AA}^{\circ}$ C | @Temperature 2730 $\text{\AA}^{\circ}$ F |               |
|                       | 7.35 MPa                                 | 1070 psi                                 | Cold Crushing |
|                       | @Temperature 1100 $\text{\AA}^{\circ}$ C | @Temperature 2010 $\text{\AA}^{\circ}$ F |               |
|                       | 7.35 MPa                                 | 1070 psi                                 | Cold Crushing |
|                       | @Temperature 800 $\text{\AA}^{\circ}$ C  | @Temperature 1470 $\text{\AA}^{\circ}$ F |               |
|                       | 8.83 MPa                                 | 1280 psi                                 | Cold Crushing |
|                       | @Temperature 1300 $\text{\AA}^{\circ}$ C | @Temperature 2370 $\text{\AA}^{\circ}$ F |               |
|                       | 12.7 MPa                                 | 1850 psi                                 | Cold Crushing |
|                       | @Temperature 110 $\text{\AA}^{\circ}$ C  | @Temperature 230 $\text{\AA}^{\circ}$ F  |               |

| Thermal Properties   | Metric      | English   | Comments |
|----------------------|-------------|---|----------|
| Thermal Conductivity | 0.511 W/m-K | 3.55 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}^{\circ}$ F |          |

| Thermal Properties | Metric     | English                                | Comments |
|--------------------|------------|--|----------|
|                    | 1.34 W/m-K | 9.30 BTU-in/hr-ft <sup>2</sup> -<br>°F |          |
|                    | 1.39 W/m-K | 9.65 BTU-in/hr-ft <sup>2</sup> -<br>°F |          |

| Component Elements Properties | Metric | English | Comments |
|-------------------------------|--------|---------|----------|
| Fe2O3                         | 1.5 %  | 1.5 %   |          |

| Descriptive Properties  | Value       | Comments |
|-------------------------|-------------|----------|
| Permanent Linear Change | <-0.05%     | 800°C    |
|                         | <-0.08%     | 1100°C   |
|                         | <-0.2%      | 1500°C   |
|                         | -0.9 - 0.9% | 1300°C   |
| Refractoriness          | <1900°C     |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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