

Sharadaa Ceramics ZAP 013 Smart Cast Application

Category : Ceramic

Material Notes:

Special Properties: Low Density, High Strength, Low Thermal Conductivity
 Industry: Multi Purpose
 Application: All type furnaces as a back up layer, Insulating Burner Blocks
 Information provided by Sharadaa Ceramics Pvt. Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sharadaa-Ceramics-ZAP-013-Smart-Cast-Application.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------------|------------------------------|------------------------------------|
| Bulk Density | >= 1.25 g/cc | >= 0.0452 lb/in ³ | After Drying at 110 ^o C |
| Grain Size | <= 5000 μ m | <= 5000 μ m | |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|----------------------------------|----------------------------------|---------------|
| Compressive Strength | 6.86 MPa | 996 psi | Cold Crushing |
| | @Temperature 1100 ^o C | @Temperature 2010 ^o F | |
| | 8.83 MPa | 1280 psi | Cold Crushing |
| | @Temperature 1300 ^o C | @Temperature 2370 ^o F | |
| | 13.7 MPa | 1990 psi | Cold Crushing |
| | @Temperature 110 ^o C | @Temperature 230 ^o F | |
| | 3.92 MPa | 569 psi | Cold Crushing |
| | @Time 86400 sec | @Time 24.0 hour | |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|---------------------|---------------------|----------|
| Maximum Service Temperature, Air | 1300 ^o C | 2370 ^o F | |

| Descriptive Properties | Value | Comments |
|------------------------|----------------------|-----------------------------------|
| Refractoriness | >1500 ^o C | |
| Thermal Expansion | 0.4 | @ 1000 ^o C, Reversible |
| Water Required to Mix | 3-35% | |

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