

Pyrotek Firefly 800 Roller & Furnace Cladding Material

Category : Ceramic

Material Notes:

Firefly 800 is a beige asbestos-free material made from high-quality shot-free mineral wool and inert fillers. Rollers made of Firefly 800 are constructed to resist breakage in handling service. Firefly 800 exhibits excellent flame and heat resistance with virtually no dimensional changes. It has self-cleaning properties and has no shot or abrasive elements to scratch hot glass. Applications Furnace lining Roller cladding material Gaskets and seals Advantages Asbestos-free Excellent thermal stability High mechanical strength Non-abrasive Wet moldable Information provided by Pyrotek.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Pyrotek-Firefly-800-Roller-Furnace-Cladding-Material.php

| Physical Properties | Metric | English | Comments |
|---------------------|------------|---------------------------|----------|
| Density | 0.875 g/cc | 0.0316 lb/in ³ | |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|----------------------|----------------------|----------|
| Tensile Strength, Ultimate | 1.80 MPa | 261 psi | |
| | @Temperature 500 °C | @Temperature 932 °F | |
| | 3.50 MPa | 508 psi | |
| | @Temperature 800 °C | @Temperature 1470 °F | |
| | 4.00 MPa | 580 psi | |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| Compressive Strength | 21.0 MPa | 3050 psi | 35-45% |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|----------------------------|--|-----------|
| Thermal Conductivity | 0.110 - 0.150 W/m-K | 0.763 - 1.04 BTU-in/hr-ft ² -°F | |
| | @Temperature 50.0 - 400 °C | @Temperature 122 - 752 °F | |
| Maximum Service Temperature, Air | 1000 °C | 1830 °F | |
| Shrinkage | 0.250 % | 0.250 % | Width |
| | @Temperature 1000 °C | @Temperature 1830 °F | |
| | 0.890 % | 0.890 % | Length |
| | @Temperature 1000 °C | @Temperature 1830 °F | |
| | 1.90 % | 1.90 % | Thickness |
| | @Temperature 1000 °C | @Temperature 1830 °F | |

Thermal Properties

Metric

English

Comments

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