

Pyrotek Vacuum Formed Shapes for Continuous Sheet Casting

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Vacuum formed shapes are manufactured from high purity alumina silica fibers in one-piece design that eliminates metal leakage. No pre-heating required. Reusable, with proper treatment, for multiple casting campaigns. Information provided by Pyrotek.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Pyrotek-Vacuum-Formed-Shapes-for-Continuous-Sheet-Casting.php

| Physical Properties | Metric | English | Comments |
|---------------------|------------|---------------------------|----------|
| Density | 0.514 g/cc | 0.0186 lb/in ³ | |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|-------------|-----------|----------|
| Modulus of Rupture | 0.00183 GPa | 0.265 ksi | |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|---------------------|------------------------------------|------------|
| Thermal Conductivity | 0.160 W/m-K | 1.11 BTU-in/hr-ft ² -°F | |
| | @Temperature 540 °C | @Temperature 1000 °F | |
| | 0.240 W/m-K | 1.67 BTU-in/hr-ft ² -°F | |
| | @Temperature 815 °C | @Temperature 1500 °F | |
| Maximum Service Temperature, Air | 1090 °C | 1990 °F | Continuous |
| | 1260 °C | 2300 °F | |
| Shrinkage | 0.330 % | 0.330 % | |
| | @Temperature 400 °C | @Temperature 752 °F | |
| | 0.330 % | 0.330 % | |
| | @Temperature 730 °C | @Temperature 1350 °F | |

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