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CERAMIC

3R2555

Foundries, Steel Mills, and Aluminum Smelters



Description

Produced from a blend of high purity ceramic fibers and organic binders, this paper is known for its excellent flexibility. It is also recommended for its outstanding handling characteristics, and high insulating value at high temperatures. Due to its low organic binder content, offgassing is at a minimum.

Applications

Because of its excellent flexibility, the 3R2555 is used for covering applications and for the fabrication of high temperature seals in complex shapes, since this material is easily die cut.

Specifications

Physical properties

| | |
|--|--|
| Color | White |
| Nominal density, pcf | 11-13 |
| Thickness, in. | 1/16" to 1/4" |
| Fiber index, % | 50 |
| Temperature | Continuous: 1175°C (2145°F), Short period: 1260°C (2300°F), Melting point: 1760°C (3200°F) |
| Thermal conductivity, BTU in/hr ft ² °F (w/m.k) (ASTM C201) Mean temperature @ 500°F | 0.39 (0.06) |
| Thermal conductivity, BTU in/hr ft ² °F (w/m.k) (ASTM C201) Mean temperature @ 1000°F | 0.69 (0.10) |

Thermal conductivity, BTU in/hr ft2 °F (w/m.k) (ASTM C201) Mean temperature @ 1500°F

0.96 (0.14)

N.B. The information presented may differ from practice. We recommend conducting tests according to the conditions of use. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products. The data is subject to certain variations without notice.