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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 ft2 °F (w/m.k) (ASTM C201) Mean temperature @ 500°F	0.39 (0.06)
Thermal conductivity, BTU in/hr ft2 °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)