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CERAMIC

3R2970

Description

Produced from a mix of high purity fibers and organic binders, this paper is noted for its low thermal conductivity and good thermal insulation. It also is known for its excellent tensile strength and outstanding handling characteristics.

Applications

The 3R2970 is an excellent backup for the refractory products and is an interesting material for fabricating expansion joints. Also, it is easily die cut to make high temperature seals in complex shapes.

Specifications

Physical properties	
Color	White
Density	10-12 pcf
Thickness	1/32" to 1/4"
Fiber index	55%
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	0.38 (0.05)
Thermal conductivity, BTU in/hr ft2 °F (w/m.k) (ASTM C201) Mean temperature @1000°F	0.61 (0.09)

Thermal conductivity, BTU in/hr ft2 °F (w/m.k) (ASTM C201) Mean temperature @1500°F	0.94 (0.14)
Thermal conductivity, BTU in/hr ft2 °F (w/m.k) (ASTM C201) Mean temperature @2000°F	1.40 (0.20)