

Refractory Ceramic Fiber Blanket

Cerablanket® is produced from exceptionally pure oxides of alumina and silica using the spinning process. Cerablanket fibers have been optimized for high handling strength and offers excellent handle ability and high temperature stability.

Blanket Product Name		Cerablanket
Fiber Class		RCF
Physical Properties		
Color		white
Continuous Use Temperature, °F		2150
Continuous Use Temperature, °C		1177
Classification Temperature, °F		2400
Classification Temperature, °C		1315
Density, pcf		6
Density, kg/m ³		96
Chemical Analysis, % weight basis after firing		
Alumina, Al ₂ O ₃		46
Silica, SiO ₂		54
Zirconia, ZrO ₂		-
Ferric oxide, Fe ₂ O ₃		-
Titanium oxide, TiO ₂		-
Alkalies, NaO ₂ + K ₂ O		-
Other		trace
Leachable Chlorides, ppm		trace
Thermal Conductivity, BTU•in/hr•ft², per ASTM C201		
Density, pcf		6
500°F		0.44
1000°F		0.93
1500°F		1.6
2000°F		2.34
Thermal Conductivity, W/m•K, per ASTM C201		
Density, kg/m ³		96
260°C		0.06
538°C		0.13
816°C		0.23
1093°C		0.34



Features

- Low thermal conductivity
- Excellent thermal shock resistance
- Low heat storage capacity
- No organic binders

Applications

- Furnace Linings
- Kiln Linings
- Boiler Insulation
- Furnace Door Seals
- Duct Lining
- Pipe Wrap Insulation
- Investment Casting Mould Wrap
- Heat Shields
- Field Stress Relieving
- Removable Thermal Insulation Pads
- Steam and Gas Turbine Insulation

Thickness, inch (mm)	Density, lb/ft ³ (kg/m ³)	Length, inch (mm)	Width, inch (mm)	ft ² (m ²)/carton
1 (25)	6 (96)	300 (7620)	24, (610)	50 (4.6)