

Ceramic Fiber Modules

- Ceramic fiber modules are effective solutions to high temperature insulation needs in industrial heaters, boilers, incinerators, kilns, and furnaces as well as many other applications.
- CeraMaterials module is an accordion-folded blanket module that uses either 304SS or 310SS hardware and anchoring systems.
- These modules are manufactured in two grades of ceramic fiber blanket: HP (high purity) grade & HZ (zirconia) grade.
- These modules are available in standard thicknesses from 6 inches to 12 inches & in 128 kg/m³ (8 pcf) and 160 kg/m³ (10 pcf) densities.



Typical Applications:

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Spun Ceramic Fiber Module Physical Properties

Ceramic Fiber Module Specs	High-Purity Grade Blanket	Zirconia Grade Blanket
Color	White	White
Maximum Use Limit	1260°C (2300°F)	1426°C (2600°F)
Continuous Use Limit	1100°C (2012°F)	1350°C (2461°F)
Standard Density, pcf (kg/m ³)	8, 10 (128, 160)	8, 10 (128, 160)
Standard Sizes, inch (mm)	12 x 12 (305 x 305)	12 x 12 (305 x 305)
Standard Thickness, inch (mm)	6 - 12 (152 - 305)	6 - 12 (152 - 305)

Spun Ceramic Fiber Module Chemical Composition

Chemical Contents	High-Purity Grade	Zirconia Grade
Al ₂ O ₃	47% - 49%	39% - 40%
SiO ₂	50-52%	38-45%
ZrO ₂	-	15-17%
Fe ₂ O ₃	0.2%	0.2%
K ₂ O + Na ₂ O	0.2%	0.2%

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CeraMaterials is a major supplier of multiple lines of refractory materials which include ceramic fiber materials, ceramic filters, graphite sheets and foils, fiberglass products, refractories and carbon felt & board products.