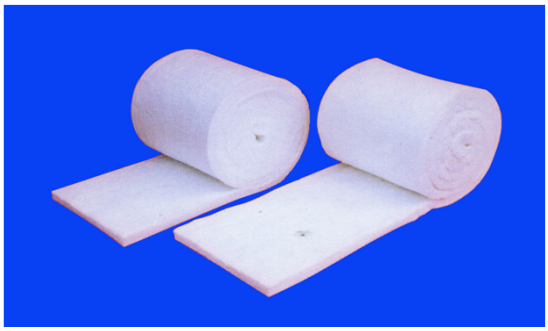
FILATEC®

TOTAL HEAT SOLUTION



Ceramic Fiber Blanket

Temp. 1260°C.

Density. 96 kg/m^3

Density. 128 kg/m^3

Density. 160 kg/m^3

Advantages

* Excellent Thermal Stability
* Excellent Thermal Shock Resistance
* Excellent Chemical Stability
* Excellent Tensile Strength
* Long Length Fiber (350 mm. max.)
* Double Needled Blanket
* Low Thermal Conductivity
* Low Heat Storage
* Low Shrinkage
* Low Dust Problem
* Non Combustible
* No Organic Binder

Properties

Chemical Composition :	
% Al_2O_3	48.2 (47 - 49)
% SiO_2	51.8 (50 - 52)
Melting Point	1760°C
Fiber Diameter	2.7 micron (2.5-3.0 micron)
Fiber Length	300 mm. (250-350 mm.)
% Shrinkage at Hi-Temp (1000°C x 24 hrs.)	1.2
% Shot Content ($\geq$ 250 micro meter)	10-12
Thermal Conductivity (w/mK) (at 128 kg/m^3)	400°C. max. 0.055 600°C. max. 0.120 800°C. max. 0.150 1000°C. max. 0.270
Available Thickness	6 mm, 12.5 mm, 25 mm, 50 mm.

Applications

* Furnace wall lining and Roofs.
* Sealing and Insulation of Furnace wall, Furnace Door, Thermal Tube Pipe, Gasket
* Excellent material to produce Module
* Kiln, Kiln car