



Supermag 1200 Spun Soluble Fiber



Technical Specifications	Blanket Supermag	Board Supermag	Bulk Supermag
Average Density, Kg/m3 (Lb/ft3)	64,96,128,160 (4,6,8,10)	336-400 (21-25)	-
Max. Use Limit, °C (7)	1200(2200)	1200(2200)	1200(2200)
Continuous Use Limit, °C	1100(2012)	1100(2012)	1100(2012)
Melting Point, °C(°F)	1275(2320)	1275(2320)	1275(2320)
Average Fiber Length, mm (in)	203 (8)	203 (8)	203 (8)
Typical Chemical Analysis			
SiO2	58-65	65-72	58-65
CaO	29-34	24-29	29-34
AL2O3	0.5-0.8	0.5 - 0.8	0.5 - 0.8
MgO	3-5	3-5	3-5
Fe2O3	0.3-0.5	0.3-0.5	0.3-0.5
Thermal Conductivity, W/m²K (BTU-in/hr-ft²-°F)			
Mean Temperature, 128 kg/m3 (8lb/ft3)			
260°C(5007)	0.06(0.42)		
538°C (10007)	0.12(0.82)		
816X05007)	0.19(1.32)		
982°C (18007)	0.24(1.67)		
1093°C (20007)	0.28(1.92)		
Mean Temperature, 96 kg/m3 (6lb/ft3)			
260°C(5007)	0.07(0.48)		
538°C (10007)	0.14(0.97)		
816°C (15007)	0.23(1.57)		
982°C (18007)	0.29(1.98)		
1093°C (20007)	0.33(2.27)		
Linear Shrinkage			
24Hr@1100°C(2012 7)	1.2	1.2	1.2
Average Fiber Diameter, Microns	3.0	3.0	3.0
Color	Blue/White	Blue/White	Blue/White

Board Dimensions

Standard

1/2"x24"x36"
1"x24"x36"
1-1/2"x24"x36"
2"x24"x36"

European

Width:610&1000mm.
Thickness: 10,25,38,50 mm.
Length:1000&1200mm.

Blanket Dimensions

Standard

1/2"x24"x600"
1"x24"x300"
1-1/2"x24"x150"
2"x24"x150"

European

6x610x21960 mm
12.5 x 610 x14640mm
19x610x9640 mm 25x61 Ox 7320
mm 38x61 Ox4800 mm 50x61 Ox
3660 mm

NUTEC Fibratec* Supermag blanket is a high temperature body soluble fiber that utilizes a unique spinning technology to create a special fiber with superior thermal and mechanical properties. This special fiber is made from a blend of calcium, silica and magnesium having the ability to support maximum continuous use up to 1100°C

NUTEC Fibratec* Supermag products are produced in our ISO 9001:2000 certified facility where bulk, double needled blanket and modules are manufactured. The

NUTEC Fibratec* Supermag family of products can be used in a variety of applications including refractory linings, thermal insulation, metals transfers and fire protection.

Features

- ‡ Low thermal conductivity
- ‡ Very low heat storage.
- ‡ Very high tensile strength
- ‡ Thermal shock resistance.
- ‡ Low weight
- ‡ Excellent corrosion resistance

Typical Applications

- ‡ Aluminum homogenizing furnace linings
- ‡ Back up insulation for dense refractory
- ‡ Annealing furnace linings
- ‡ Stress relieving blankets
- ‡ Heat treating furnace linings
- ‡ Crude heater linings
- ‡ Co-generation duct linings
- ‡ Reusable insulating pads
- ‡ Expansion joints