



SOLUBLE FIBER BLANKET

DESCRIPTION

Protherm Soluble Fiber (SF) blanket is manufactured from a blend of calcium, silica and magnesium for industrial applications to withstand temperatures of up to 1832° F (1000° C). The blanket is a flexible, light-weight needled blanket which is used in a wide range of applications including refractory backing linings, thermal insulation and metal transfer.

CLASSIFICATIONS

Protherm SF Blanket

FEATURES

Excellent tensile strength
Low shrinkage
Excellent resiliency
Low thermal conductivity
Low heat storage
Good sound absorption

APPLICATIONS

Metallurgy
Steel industry
Ceramic
Refining
Power plant
Glass

SPECIFICATIONS

½" X 24" X 600"
1" X 24" X 300"
1-½" X 24" X 200"
2" X 24" X 150"



TECHNICAL DATA SHEET

| | |
|---------------------------------------------------|--------------------------|
| Product | Protherm SF Blanket |
| Classification Temperature | 1832 ° F (1000° C) |
| Recommended Use Temperature | 1832 ° F (1000° C) |
| Color | White |
| Density | 6pcf and 8pcf |
| Shrinkage (%) | ≤2.5 (1000° C x 24 hrs.) |
| Thermal Conductivity (W/m.K, 8#/ft ³) | |
| 200° C | 0.06 |
| 400° C | 0.09 |
| 600° C | 0.15 |
| Tensile Strength (Mpa) | 0.04 |
| Chemical Composition (%) | |
| SiO ₂ | 58 – 65 |
| CaO | 25 – 35 |
| MgO | 5 – 9 |
| Fe ₂ O ₃ | ≤0.20 |
| Al ₂ O ₃ | ≤0.35 |

The technical data given in the product information are mean values and are subject to usual manufacturing variations. They are supplied as general technical information and are subject to change without further notice.