



PYRO SHIELD, INC.

Insulation, Fabrication and Warehouse • FREE Local Delivery

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PROTECT YOUR INVESTMENT
Pyro Shield Heat Barrier Solutions

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1400 SILICA DATA SHEET

About the Product

Pyro Shield's 1400 silica fabric is woven from textured glass fibre yarns. While resistant to up to a strong 1,800°F, this fabric has a low thermal conductivity, is inert to the majority of chemical reagents, and resistant to organic and mineral acids (except hydrofluoric and phosphoric). This silica material can be used for a variety of means such as high temperature thermal insulation, industrial protection, aerospace, energy saving, environmental protection, fire protection, and more.

Product Info

Weave: Plain Weave

Coating: None

Width: (62-210) + 3-2 cm

Mass - Area Ratio: 1400 g/m² +/- 140 g/m²

Yarn Count (cm): Warp: 12 cm + 1 cm

Weft: 6 cm +/- 1 cm

Content of Main Components:

SiO₂: 98.0% +/- 1.0%

Mass Fraction of Na₂O: Not more than 0.8%

Thickness (mm): 1.4 mm

Temperature Resistance: 1,800°F

Applications

- Industrial High Temperature Insulation
- Fire Blankets and Curtains
- Expansion Joints
- Protection from Molten Metal Splashes and Sparks
- Welding Blankets, Curtains, and Pads
- Heat Protection for Exhaust Systems and Engines

All statements are expressed opinion which we believe to be accurate, reliable, and presented without guarantee or responsibility on our part. The data presented above consists of typical properties and should not be used in preparing specifications. No warranties are expressed or implied and users should test this material thoroughly for their specific application.

(219) 661-8600 • Fax: (219) 661-8612
1171 E. Erie Court • Crown Point, IN 46307
FREE Local Delivery

General Questions
or Quotes Contact
sales@pyroshield.com

(281) 941-9054 • Fax: (281) 941-4437
1424 Sens Road Unit 3 • LaPorte, TX 77571
FREE Local Delivery in Houston Area