



AMATEX SILICA FABRICS

A woven continuous filament amorphous silica fabric. Applications include pad fabrics, expansion joints, valve covers, special curtain materials. Resistant to most chemicals, good thermal protection to temperatures up to 1800 degrees F.

About AMATEX Corporation

Amatex manufactures industrial heat resistant textiles featuring Thermoglass™ fiberglass products, silica fabrics, and proprietary treated and coated products. These items include broad woven roll goods and narrow products in the form of woven and knitted tapes, sleeving, rope, and gasketing. With fiberglass and silica as the base textile, Amatex offers top and immersion coatings of Silicone, Teflon, Vermiculite, Neoprene, and Acrylic. Heat treating, dyeing, and coloration of the coatings are also available.

Amatex fabrics are commonly used in the following applications:

- Welding Cloth
- Foundry Cloth
- Insulation Cloth
- Heat Shield
- Gasketing
- Marine Insulation
- Industrial Insulation
- Pad Cloth
- Fire Barriers
- Fire Curtains
- Industrial Belting
- Filtration
- Expansion Joints
- Protective Clothing

Over 100 Years

Proud American Manufacturers of Industrial Textiles



Amatex Silica Fabrics Data Sheet

Style	HTX-1000-00-SR1
Base Fabric	Silica
Color/Appearance	Red silicone rubber one side, tan reverse
Available Widths, standard	Minimum 35" (0.89m)
Roll Length, yards (approx.)	50 (45.7m)
Weave Style	Satin, 12 harness
Fabric Weight, oz/sq. yd	42
Fabric Thickness, inches	0.054 (+/- .005") (1.37 mm)
Warp Strength, lbs/in.	425.0 (193 Kg/2.54 cm)
Fill Strength, lbs/in.	300.0 (136 Kg/2.54 cm)
Abrasion Resistance	Excellent
Temperature Tolerance	1800°F continuous (990°C) 3000°F melt temp. (1649°C)
Base Fabric Certifications	Higher than 95% Silica (SiO ₂) content
Chemical Resistance	Excellent
Solvent Resistance	Excellent
Sunlight & Age Resistance	Excellent
Electrical Properties	High dielectric strength, low constants
Finish	Red Silicone rubber one side, tan reverse
Certifications	NFPA701, ANSI/FM 4950 for Pad



1032 Stanbridge Street,
Box 228, Norristown, PA 19404-0228 U.S.A.
Tel: 610-277-6100 • 800-441-9680 • Fax: 610-277-6106
Email: sales@amatex.com • www.amatex.com