



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-600-9N	HTX-600-8N-AL7	HTX-600-00-SRD1 (HTX-600-SR1-25)	HTX-1000-9N	HTX-1000-8N-AL7	HTX-1000-00-SR1 (HTX-1000-SR1-25)
Base Fabric	Silica	Silica	Silica	Silica	Silica	Silica
Color/Appearance	Tan	Aluminized one side/ tan reverse	Red Silicone Rubber one side, tan reverse	Tan	Aluminized one side/ tan reverse	Red silicone rubber one side, tan reverse
Available Widths, standard	36" (0.914m) (60" also available)	Minimum 35" (0.89m)	Minimum 35" (0.89m)	36" (0.914m) (60" also available)	Minimum 35" (0.89m)	Minimum 35" (0.89m)
Roll Length, yards (approx.)	50 (45.7m)	50 (45.7m)	50 (45.7m) 25 (22.8m)	50 (45.7m)	50 (45.7m)	50 (45.7m) 25 (22.8m)
Weave Style	Satin, 8 harness	Satin, 8 harness	Satin, 8 harness	Satin, 12 harness	Satin, 12 harness	Satin, 12 harness
Fabric Weight, oz/sq. yd	18	21	24	33	38	42
Fabric Thickness, inches	0.034 (0.86 mm)	0.025 (0.63 mm)	0.030 (0.76 mm)	0.046 (1.17 mm)	0.044" (1.09mm)	0.054 (+/- .005") (1.37 mm)
Warp Strength, lbs/in.	250.0 (114 Kg/2.54cm)	350.0 (158 Kg/2.54 cm)	300.0 (136 Kg/2.54 cm)	350.0 (158 Kg/2.54 cm)	430.0 (195 Kg/2.54cm)	425.0 (193 Kg/2.54 cm)
Fill Strength, lbs/in.	150.0 (68 Kg/2.54 cm)	235.0 (107 Kg/2.54 cm)	230.0 (104 Kg/2.54 cm)	250.0 (114 Kg/2.54 cm)	285.0 (129 Kg/2.54cm)	300.0 (136 Kg/2.54 cm)
Abrasion Resistance	Very Good	N/A	Very Good	Excellent	N/A	Excellent
Temperature Tolerance	1800°F continuous (990°C) 3100°F melt temp. (1700°C)	1800°F continuous (990°C) 3100°F melt temp. (1700°C)	1800°F continuous (990°C) 3100°F melt temp. (1700°C)	1800°F continuous (990°C) 3100°F melt temp. (1700°C); Passes NFPA 701, Certification Available	1800°F continuous (990°C) 3100°F melt temp. (1700°C)	1800°F continuous (990°C) 3100°F melt temp. (1700°C)
Base Fabric Certifications	Higher than 95% Silica (SiO ₂) content	Higher than 95% Silica (SiO ₂) content	Higher than 95% Silica (SiO ₂) content	Higher than 95% Silica (SiO ₂) content	Higher than 95% Silica (SiO ₂) content	Higher than 95% Silica (SiO ₂) content
Chemical Resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Solvent Resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Sunlight & Age Resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Electrical Properties	High dielectric strength, low constants	High dielectric strength, low constants	High dielectric strength, low constants	High dielectric strength, low constants	High dielectric strength, low constants	High dielectric strength, low constants
Finish	9N Tan 7N Tan, Hvy Vermiculite	AL7, aluminum laminate one side w/ 8N	Red Silicone rubber one side, tan reverse	9N Tan 7N Tan (vermiculite)	AL7, aluminum laminate one side w/ 8N	Red Silicone rubber one side, tan reverse
Certifications	NFPA 701, ANSI/FM 4950 for curtain		NFPA 701, ANSI/FM 4950 for curtain	NFPA 701, ANSI/FM 4950 for curtain		NFPA701, ANSI/FM 4950 for Pad