



SILICONE COATED FIBERGLASS CLOTH

TECHNICAL SPECIFICATIONS

1 MATERIAL STRUCTURE



Silicone Coating

High quality silicone rubber coating provides excellent heat resistance, weather resistance and chemical protection.

Woven Fiberglass Fabric

High strength E-Glass fiber woven fabric ensures dimensional stability and mechanical performance.

Silicone Back Coating

Silicone rubber back coating enhances durability and improves tear strength.



2 FABRIC WEIGHT OPTIONS

Weight	Tolerance
200 g/m ²	±5%
430 g/m ²	±5%
600 g/m ²	±5%
800 g/m ²	±5%
1000 g/m ²	±5%
Custom	Available

3 COATING THICKNESS

Coating Thickness	Tolerance
0.2 mm	±0.05 mm
0.3 mm	±0.05 mm
0.5 mm	±0.05 mm
0.8 mm	±0.10 mm
1.0 mm	±0.10 mm
Custom	Available

4 TEMPERATURE PERFORMANCE



Continuous Use
260°C



Short-term Use
(Up to)
550°C

5 MECHANICAL PROPERTIES

Property	Test Method	Typical Value
Tensile Strength (Warp)	ASTM D5035	≥ 2800 N/5cm
Tensile Strength (Weft)	ASTM D5035	≥ 2500 N/5cm
Tear Strength (Warp)	ASTM D5587	≥ 300 N
Tear Strength (Weft)	ASTM D5587	≥ 250 N
Adhesion Strength	ASTM D903	≥ 65 N/5cm
Elongation (Warp)	ASTM D5035	≤ 5%
Elongation (Weft)	ASTM D5035	≤ 5%
Fabric Construction	—	8H Satin Weave

6 CHEMICAL & ENVIRONMENTAL RESISTANCE



Chemical Resistance

Resistant to oils, fuels, acids, alkalis and most chemicals.



Weather Resistance

Excellent resistance to UV, ozone, moisture and aging.



Flame Resistance

Self-extinguishing, meets industrial flame retardant standards.



RoHS Compliance

Environmentally friendly, RoHS compliant.

7 ROLL SPECIFICATIONS

Width (mm)

1000	1200	1500	Custom
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Length (m)

30	50	100	Custom
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Standard roll packaging. Other sizes and lengths are available upon request.

8 STANDARD COLOR OPTIONS



Red



Gray



Black

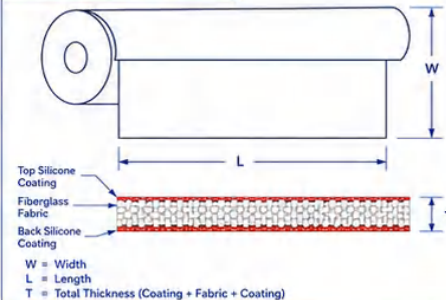


White



Custom
(Available)

9 DIMENSIONAL DRAWING



10 GENERAL SPECIFICATIONS

Item	Specification	Test Method / Standard
Base Fabric	Woven Fiberglass Fabric (E-Glass)	—
Fabric Construction	8H Satin Weave	—
Coating Material	Silicone Rubber (High Temperature Grade)	—
Total Thickness	0.40 mm ~ 1.80 mm (Customizable)	ASTM D1777
Surface Finish	Smooth / Embossed	—
Operating Temperature	-60°C ~ 260°C (Continuous) Up to 550°C (Short-term)	—
Flammability	Self-Extinguishing	ASTM E84 / UL94 (Optional)
Standard Color	Red / Gray / Black / White / Custom	—

11 TYPICAL APPLICATIONS

- Welding Blankets & Curtains
- Thermal Insulation Jackets
- Removable Insulation Covers
- Industrial Expansion Joints
- Flexible Duct Connectors
- Furnace & Boiler Insulation
- High Temperature Equipment Protection

Note: The above technical data are typical values and not for specification purposes. All specifications are subject to change without prior notice.