HIGH SILICA FIBERGLASS CLOTH

900 – 1200°C HIGH TEMPERATURE RESISTANCE

1. MATERIAL STRUCTURE

High purity high silica fiber with tight woven structure, delivering excellent thermal stability and strength.

2. TECHNICAL SPECIFICATIONS

PROPERTIES	UNIT	TYPICAL VALUE
SiO_2 Content	%	≥ 96
Continuous Operating Temperature	°C	900
Maximum Temperature	°C	1200
Fabric Thickness	mm	0.5 / 0.8 / 1.0 / 1.3 / 1.5 / 2.0
Fabric Weight	g/m²	600 / 800 / 1000 / 1200
Tensile Strength (Warp)	N/50mm	≥ 1800
Tensile Strength (Weft)	N/50mm	≥ 1500
Thermal Conductivity (Mean 200°C)	W/m·K	≤ 0.035
Thermal Conductivity (Mean 400°C)	W/m·K	≤ 0.045
Molten Metal Splash Resistance	—	Excellent
Electrical Insulation	—	Excellent
Color	—	Off-white
Weave Type	—	Plain / Twill

3. SIZE & PACKAGING

ROLL WIDTH

1000 mm	1200 mm	1500 mm

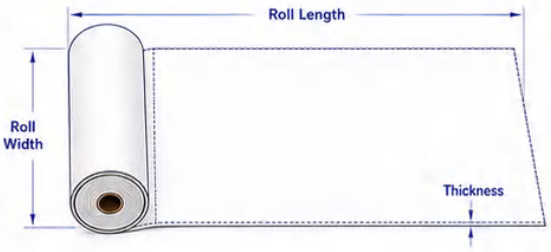
ROLL LENGTH

30 m	50 m	Custom Length

FABRIC THICKNESS OPTIONS

0.5 mm	0.8 mm	1.0 mm
1.3 mm	1.5 mm	2.0 mm

4. DIMENSIONAL DRAWING



5. PERFORMANCE FEATURES

HIGH TEMPERATURE RESISTANCE
900–1200°C continuous use without distortion or degradation.

FIRE RESISTANT
Non-combustible material, UL94 V-0, excellent flame retardancy.

MOLTEN METAL SPLASH RESISTANT
Resists molten aluminum and steel splash, excellent protection.

EXCELLENT THERMAL INSULATION
Low thermal conductivity, effective insulation and energy saving.

HIGH STRENGTH & DURABLE
High tensile strength, tear resistant, long service life.

ELECTRICAL INSULATION
High dielectric strength, safe and reliable insulation performance.

FLEXIBLE & LIGHTWEIGHT
Easy to cut, sew and install, conforms to complex shapes and surfaces.

CHEMICAL RESISTANCE
Resists acids, alkalis and most chemical corrosion.

6. TYPICAL APPLICATIONS

7. AVAILABLE WEAVE STYLES