

### 3.1, Fiberglass fabric and various Coatings

**Fibreglass fabric** has been widely used as good materials for electrical insulation, thermalplastic reinforcement and heat insulation, due to their outstanding physical properties, such as high tensile strength, low moisture absorption, good heat-resistance and chemical resistance, and diamentional stability. Fibreglass fabrics will find more applications in combination with rubber, thermalplastic coatings, films and foils of metal.

We're specialize in weaving high quality non-texturized fiberglass fabrics.

#### Non-texturized fiberglass fabric---550C.deg



Made of non-texturized yarns, these fabrics appear smooth and have higher weight than the texturized ones. They can be produced by different kinds of weaving---plain, twill, satin ans so on. They are widely used in thermal insulation and can be treated in different ways in order to meet specific purposes.

#### Applications:

- Welding/ fire-protection and heat insulation
- Used for compensators
- Basic cloth for coatings and laminations
- High temperature electrical insulation

#### Non-texturized Fiberglass Fabric Specifications:

Style	Weave	Warp	Weft	Warp	Weft	Weight oz/yd <sup>2</sup>	Thickness in	Strength	
		ends/in	ends/in	yarn	yarn			ibf/in	ibf/in
3788	12HS	46	35	ECG 37 1/4	ECG 37 1/4	52.0	0.0669	1500	1300
3784	8HS	46	35	ECG 37 1/2	ECG 37 1/2	26.4	0.0315	900	800
3786	12HS	42	35	ECG 37 1/4	ECG 37 1/2	38.2	0.0551	1400	600
3734	Twill	35	30	ECG 37 1/2	ECG 37 1/2	17.6	0.0216	500	400
3732 / 332	Crowfoot	48	32	ECG 37 1/0	ECG 37 1/0	12.6	0.0134	550	400

FW600	Double Plain	37	37	ECG 75 1/3	ECG 75 1/3	17.6	0.0228	600	550
7628	Plain/Twill	44	32	ECG 75 1/0	ECG 75 1/0	6.17	0.0071	250	200
2116	Plain	60	58	ECE2 25 1/0	ECE2 25 1/0	3.08	0.0037	125	120

P.S: oz/yd<sup>2</sup> = 34g/m<sup>2</sup> , inch=25.4mm

### Various fiberglass coatings



In order to enhance the performance and ease of fabrication, fiberglass fabrics can be treated in various ways. With different temperature resistance and special properties, they are applied in a wide range of industrial fields.

### Various Coatings:

Fiberglass fabrics Finishing style	Temperature Resistance	Fabrics Features	Applications
Heat cleaning	550°C	reduce smoke generation, airborne fibers, good cutting resistance	welding blankets, general purpose insulation
Silicone rubber coating	550°C	high thermal and mechanical load, resistant to chemical	Welding blankets, compensators, insulation mats, heat production quilts
Neoprene coating	550°C	good resistance to abrasion, allergen resistant	welding protection
Polyurethane (PU)	550°C	good resistance to	fire protection



## Kingwell Fibre Materials Co.,Ltd

coating		abrasion,allergen resistant	
Acrylic coating	550°C	good resistance to abrasion and cuts. allergen resistant and anti-adhesive surface	welding protection
PTFE coated fiberglass fabric	550°C	good resistance to abrasion and cuts. allergen resistant and anti-adhesive surface	fire and welding protection
Aluminum laminated	550°C	High temperature resistance	heat insulation
Vermiculite coating	815°C	increase resistance to abrasion and flame	welding blankets, general purpose insulation
Graphite coating	750°C	increase resistance to abrasion and flame	welding blankets, general purpose insulation
Dying and coloring	550°C	heat protection	heat protection, welding blankets
Steel wire reinforcing	550°C	increase tensile strength	heavy duty insulation
P.S: High temperature resistance of fiberglass fabric is 550°C ,while mucilage is 300°C.			