

## 2 x 2 TWILL WEAVE E GLASS TAPES

The base materials consists of 6 - 9 microns of "E" glass fibre filaments that can be voluminized, texturised, plied and reinforced with steel wire.

They are inorganic, sterile, incombustible, totally asbestos-free, do not contain any toxic matter nor heavy metals and do not cause skin irritations

Basic Compositions of E Glass Fibre	
SiO <sup>2</sup>	53-55%
Al <sub>2</sub> O <sub>3</sub>	14-15.5%
CaO -MgO	20-24%
B <sub>2</sub> O <sub>3</sub>	6.5-9%
Fe <sub>2</sub> O <sub>3</sub> - TiO <sub>2</sub>	< 1%
Na <sub>2</sub> O-H <sub>2</sub> O	< 1%

General Properties of E Glass Fibre	
Colour	White
Max Temperature	<b>550°C</b>
Melting Point	<b>1200°C</b>
Diameter Filaments	> 6-9 microns
Tensile Strength - Virgin Filament	3400 MPa
Young's Modulus	7400 MPa
Thermal Conductivity	1.0 W/m °K
Fire Reaction	Incombustible
Loss on Ignition	< 1.5%
Dielectric Rigidity-glass in Bulk	60-100 KV/mm
Solvent Resistance	Good
Bases Resistance	Good
Acid Resistance	Good - except fluoridic acid.

General Properties of E Glass Fibre Textile Products	
• High Mechanical Strength	• Good Electrical Properties
• Incombustible	• Good Dimensional Stability
• Low Thermal Conductivity	• Good Resistance to Chemicals Agents
• High Thermal Resistance	• Good Flexibility
Max Temperature	<b>550°C</b>

## Resin Compatible Fibreglass Tape (525 g/m<sup>2</sup>)

- Resin Compatible Fibreglass Tape is woven from special type of glass yarns resistant to oils, solvents and most chemicals.
- The fibreglass tape becomes quickly saturated with resins, leaving a pliable matting easily moulded into the required shape.

### Applications

Resin Compatible Fibreglass Tape can be applied as reinforcements for:

- GRP Mouldings
- High Strength Requirements
- Small GPR Components
- Pultrusion Tapes with feathered edges for tube manufacture e.g. Boat Building
- Prevention and repair of reflective cracking on highways
- Wind Turbines

### Products

Product Code	Weight (g/m <sup>2</sup> )	Weave	Warp	Weft	Thickness (mm)	Weaving Direction	Width (mm)	Roll Length (m)
GS0525/12.5/50T	525	Twill	EC13 300	EC13 300	0.60mm	Bi Directional	12.5mm	50m
GS0525/25/50T	525	Twill	EC13 300	EC13 300	0.60mm	Bi Directional	25mm	50m
GS0525/40/50T	525	Twill	EC13 300	EC13 300	0.60mm	Bi Directional	40mm	50m
GS0525/50/50T	525	Twill	EC13 300	EC13 300	0.60mm	Bi Directional	50mm	50m
GS0525/75/50T	525	Twill	EC13 300	EC13 300	0.60mm	Bi Directional	75mm	50m
GS0525/100/50T	525	Twill	EC13 300	EC13 300	0.60mm	Bi Directional	100mm	50m
GS0525/150/50T	525	Twill	EC13 300	EC13 300	0.60mm	Bi Directional	150mm	50m
GS0525/200/50T	525	Twill	EC13 300	EC13 300	0.60mm	Bi Directional	200mm	50m
GS0525/250/50T	525	Twill	EC13 300	EC13 300	0.60mm	Bi Directional	250mm	50m
GS0525/300/50T	525	Twill	EC13 300	EC13 300	0.60mm	Bi Directional	300mm	50m

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