

2 x 2 TWILL WEAVE E GLASS TAPES

The base materials consists of 6 - 9 microns of "E" glass fibre filaments that can be volumized, 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 ²	53-55%
Al ² O ³	14-15.5%
CaO -MgO	20-24%
B ² O ³	6.5-9%
Fe ² O ³ - TiO ²	< 1%
Na ² O-H ² O	< 1%

General Properties of E Glass Fibre	
Colour	White
Max Temperature	550°C
Melting Point	1200°C
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	550°C