



EUROPEAN
SEALING
TECHNOLOGY
Seals for industry

E-GLASS FIBRE PRODUCTS

TAPES, BRAIDS & CORDS

Technical data sheet



European Sealing Technology - Industrial sealing solutions

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EST “E” Glass Fiber Products

Description:

La matière de base de produits EST textiles en fibre de verre consiste en filament de 6 – 9 microns de “E” glass fiber qui peuvent être texturé, renforcé... Ces produits textile sont inorganique, stérile, ne contiennent pas d’amiante ou de métaux lourds et ne cause pas d’irritation de la peau.



BASIC COMPOSITIONS OF "E" GLASS FIBER

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-K ₂ O	< 1%

GENERAL PROPERTIES OF "E" GLASS FIBER

COLOUR	WHITE
Max. Temperature	550°C
Melting Point	1200 °C
Diameter-filaments	6-9 micron
Tensile strength- <i>virgin filament</i>	3400 MPa
Young's modulus	74000 MPa
Thermal conductivity	1,0 W/m °K
Fire reaction	incombustible
Loss on ignition	< 1,5 %
Dielectric rigidity- <i>glass in bulk</i>	60-100 KV/mm
Solvent resistance	good
Bases resistance	good
Acid resistance	good - except fluoridric acid

GENERAL PROPERTIES OF "E" GLASS FIBER TEXTILE PRODUCTS

- high mechanical strength
- incombustible
- low thermal conductivity
- good resistance to chemical agents
- good electrical properties
- good dimensional stability
- high thermal resistance
- good flexibility

max temperature 550°C