

Texturised Glass

Description:

Culimeta-Saveguard texturised Glass Yarns are manufactured from high performance 6 micron or 9 micron E' Glass filaments. The type of glass filament is carefully chosen dependant on the properties required of the finished product. They are then texturised by passing over high pressure air jets to produce lofted yarns with predetermined bulk. These yarns may also be reinforced with fine wires where additional properties such as heat dissipation or increased density is required, or up twisted and cabled to make glass ropes from 2mm to 50mm diameter (see separate data sheet).

Properties:

Glass Yarns have a minimal amount of surface dressing to assist in processing; this is usually organic ie. starch or silane and will disappear at temperatures above 200^o C.
Untreated E Glass Fibres are suitable for continuous use at temperatures of up to 550^o C, however tensile strength continues to reduce noticeably as temperatures increase above 400^o C .

Temperature Limitations

E Glass filaments	Suitable for temperatures up to 550 C
ECR Glass filaments	Suitable for temperatures up to 600 C
S Glass filaments	Suitable for temperatures up to 750 C

Availability:

From 68 tex texturised glass up to 5000 tex either as single yarns or reinforced as above or to customer requirements.

Wound on cardboard tube (cheese), random length approx. 2kg per spool

Chemical:

E'Glass	SiO2	54.1%	Al2O3	15.3%
	CaO	17.3%	MgO	4.7%
	Na2O	0.6%	B2O3	8.0%

Typical Applications:

Texturised glass fabrics for Thermal insulation
Manufacture of high temperature seals or insulation as glass ropes or tapes.
Braided glass packings
Acoustic fabrics

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