



## HTC Glass carded yarns

(high temperature carded glass)

They are carded with a mix of VHTC (75 to 85%) and viscose (15 to 25%). They are reinforced with a glass yarn or with a stainless steel filament as required.

They offer the following benefits:

- excellent resistance to high temperatures (up to 1,000° C, depending on the composition)
- full deformability for the manufacture of flexible products
- excellent bulkiness, for a good thermal insulation
- being a very light product, making them an inexpensive solution

The fibre used, which is 100% bio-soluble, is totally harmless for health

### Applications

- Can be used with all traditional textile techniques: braiding, cording, weaving, etc.

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### Thermal properties

1.000°C: HTC glass melting  
150° - 220°C: decomposition of viscose fiber  
710° C: E glass melting  
1.400°C: fusion of stainless steel 316 L

### Chemical properties

Resistance	HTCG	Viscose	E glass	S.S.
Acid:	med.	good(exc HNO <sub>3</sub> )	med.	med.
Base:	medium	low	medium	good
Solvent:	good	good (exc DMF)	good	good

### Physical properties

	HTCG	Viscose	E glass	S.S.
UV resistance:	good	good	good	good

### Product specifications (example of some counts)

Count (tex)	Reinforc.	Weight/100m	Packaging
625 x 2	E glass	158 g / 100 m	Bobbin Ø 160 mm
1.000 x 2	E glass	235 g / 100 m	Bobbin Ø 160 mm
2.000 x 1	E glass	211 g / 100 m	Bobbin Ø 160 mm
625 x 2	St.steel	144 g / 100 m	Bobbin Ø 160 mm
1.000 x 2	St.steel	220 g / 100 m	Bobbin Ø 160 mm
2.000 x 1	St.steel	205 g / 100 m	Bobbin Ø 160 mm

Other specifications: please contact us

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