



ZEROTWIST® AND DIRECT ROVING TP10C & TP20C

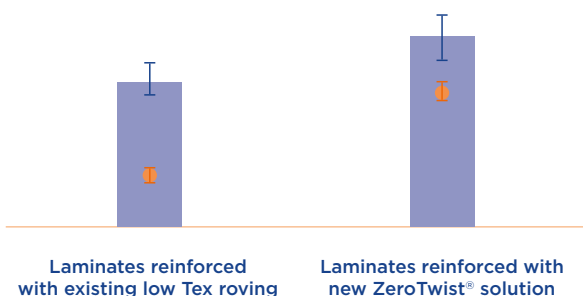
Our lightweight reinforcement solutions for thermoplastics

Product description

New ZeroTwist® continuous E-glass filament strands, offered in low counts of 68 & 300 Tex. These ZeroTwist® products are produced with a starch free sizing system containing silane bonding agents & different film former versions providing excellent compatibility with thermoplastic (TP) resins such as PP, PA or PET. Glass filament strands with TP10C & TP20C sizing have excellent textile properties, enabling the production of different textile structures like e.g. woven fabrics, warp-knitted fabrics, narrow fabric (tapes) and multi-axial fabrics. These products can be used in thermoplastic composite applications without any heat cleaning and further sizing.

- Excellent textile properties with low fuzz level
- Enable production of thin & Lightweight fabric
- Easy to impregnate
- Good opening properties for air texturizing
- Improved fibre/matrix adhesion with TP resin
 - TP10C: PP, PE, EVA
 - TP20C: PA, PC, TPU

Main Advantages



Packaging Information

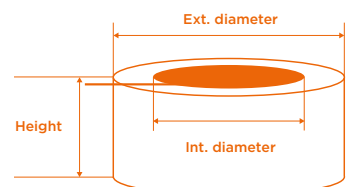
EC9 68: 88 bobbins per pallet
EC14 300: 48 bobbins per pallet

Nominal weight per pallet
EC9 68: 880 kg (1940 lbs)
EC14 300: 960 kg (2116 lbs)

Nominal bobbin weight
EC9 68: 10 kg (22.05 lbs)
EC14 300: 20 kg (44.09 lbs)

Nominal bobbin dimension EC9 68:
Inside 207 mm (8.15")
Outside 325 mm (12.8")
Height 125 mm (4.92")

EC14 300:
Inside 203.5 mm (8.01")
Outside 310 mm (12.21")
Height 257.5 mm (10.14")



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Product Information

Reference	Unit	ECG75 1/0 ZTW / EC9 68 ZTW	ECL16 1/0 / EC14 300
Count	Tex (g/km)	68	300
	Yds/lb	75	16
Fibre diameter	µm	9	14
Sizing		Silane	Silane
LOI	%	0.45	0.5
MOI	%	< 0.3	< 0.3

Recommended storage & processing conditions

The material should be stored in its original packaging in dry conditions away from direct sunbeam. Storage temperatures of between 10 and 35 °C (50 and 95 °F) and a relative humidity of between 40 and 70% are recommended. Though there are no known storage limitations under proper conditions, we recommend to use the material within 6 months after delivery date, or within 24 months after date of manufacture. Retesting is advised after 2 years from initial manufacture date to insure optimum performance. Before processing, the material should be conditioned by exposing it unpacked to the processing climate for at least 24 hours.



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