

TECHtex

Covering-technology for technical yarns

Incremental value of covered yarns in further processing



- Protection of the core, resulting in improved abrasion resistance during further processing
- Core remains free of rotation
- Characteristics of the individual components remain unaffected, allowing for functional integration of special yarns
- Reduced “hairiness” and number of false wires
- Consistent yarn width due to low tendency of spreading
- More compact fiber bundle
- Standardized yarn structure

Incremental value of covered yarns in composites

MINERAL MATRICES

- Uniform crack distribution through more even application of force
- Increase in mechanical bond due to surface profiling
- Solid connection creates round, reproducible surface geometry
- Homogeneous geometry promotes simplified handling of the reinforcement at the construction site

POLYMER MATRICES

- Higher winding and braiding speeds can be achieved
- High-quality products due to very high compaction (high fiber volume fraction) and dense, pore-free winding
- Ability to produce very thick walls at low material and process costs compared to the prepreg process

SPECIFICATION:	
Core	Various materials (carbon, basalt, aramid, glass, etc.) and titers
Covering	According to agreement; Standard: PES 167 dtex raw white, washed quality
Coning	Cylindrical cardboard sleeve (length: 290 mm; Inner-Ø: 77 mm), TKB 355K (flange-Ø: 355 mm; width: 200 mm; Winding width: 160 mm; central-bore-Ø: 35 mm)
Twist (SC)	100 – 1000 T/m, S- or Z-twist

Do you need a customized solution? Please contact us.
We will produce your customized quality based on your requirements.