rotoSLEEVE **GlassFibre**

rotoSLEEVE GlassFibre are ultra-light, composite Printing Cylinders.

Utilizing cutting-edge composite production methods, we craft our sleeves directly from the composite material. This innovative approach enables the incorporation of various materials including PET, Polyurethane, Polyester, or exceptionally resilient Epoxy resins.

Technical details

Layers responsible for the behavior of the sleeves during application on the mandrel

Base layer

- Made of glass material and epoxy resin (customizable chemical composition)
- High thermal resistance
- High dimensional stability
- The possibility of placing additional information
- High core flexibility thanks to customisable chemical composition

Compensating layer

-
- Vulkollan, extremely resistant and resilient
- Thermal resistance up to 110C
- Fast shape recovery, up to 60% energy return
  Protected with a layer of reinforced resin



Technical details

Layers responsible for weight reduction and surface life.

Volume layer

- Light 3D core material with honeycomb structure made out of PET or PU material. Material use dependent on the size of cylinder to gain the optimal weight
- **PET:** Closed volume; Less resin
- **PU:** Ultra light; Rigid foam

Improvement of product life

External layer

- Glass material saturated with colored resin
- High hardness 80-90ShD and dimensional stability
- High mechanical resistance

Special lock

-
- Milled
- Fixed using adhesive
  The fasteners hide under protective rubber

Safety rubber

- Outer diameter perfectly matched
- High mechanical resistance