

### Description

Comfil hybrid yarns are made from continuous fibers commingled with continuous matrix filaments. Hybrid yarns can easily be consolidated into composites by heating the material above the matrix filaments melting point.

### Application

Comfil hybrid yarns are typically used for the following composite processes: weaving, twisting, braiding, winding, pultrusion, pulextrusion and stitching. Comfil hybrid yarns are delivered free of external sizing, and with a round yarn

### Packaging and storage

Hybrid yarns are typically delivered on 73 mm Ø interior cardboard tubes with a 5 kg netto weight. Other dimensions available upon request.

Storage area should be shielded from direct sunlight and

### Specifications

Reinforcement fiber	E-Glass
Matrix material	PET
Linear density of hybrid yarn, tex)	525
Weight reinforcement, %	57
Volume reinforcement, %	41

### Typical Properties

Service temperature, C°	-40 — 100
Matrix melting range, C°	220-260
Hybrid yarn density, g/cm <sup>3</sup>	1,89

