

Comfil® SRPET 12004

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Description

Comfil SRPET yarns are made from continuous fibers commingled with continuous matrix filaments. The material is 100% thermoplastic PET without glue or additives. SRPET yarns can easily be consolidated into composites

Application

SRPET yarns can be made from 50% recycled PET and are typically used for the following composite processes: weaving, knitting, twisting, braiding, winding, pultrusion, pulextrusion and stitching. Comfil hybrid yarns are delivered free of external sizing, and with a round yarn profile.

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	High tenacity PET
Matrix material	LPET (amorph PET)
Linear density of hybrid yarn, tex)	440
Weight reinforcement, %	50
Volume reinforcement, %	50

Typical Properties

Service temperature, C°	< 60
Matrix melting range, C°	190-210
Hybrid yarn density, g/cm ³	1,36

