

# Comfil® SRPET 12003

Revised: 22.08.2022

## 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)	220
Weight reinforcement, %	50
Volume reinforcement, %	50

## Typical Properties

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

