

Comfil[®] 10042

67G-PA6-450 neutral

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Description

Comfil hybrid yarns are made from continuous glass 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	PA6 neutral
Linear density of hybrid yarn, tex)	450
Weight reinforcement, %	67
Volume reinforcement, %	47

Typical Properties

Service temperature, C°	-40 — 120
Matrix melting range, C°	220-260
Hybrid yarn density, g/cm ³	1,84

