

Comfil[®] 30052-42

Revised: 22.08.2022

Description

Hybrid fabrics are made from weaving continuous fibers commingled with continuous matrix filaments.

Hybrid fabric can easily be consolidated into composites by heating the material above the matrix filaments melting point and applying pressure

Application

Hybrid glass fabric is easy to handle and is typically used for the following composite processes: vacuum consolidation, continuous heat pressing and panel lamination. Hybrid fabrics have unlimited shelf life and can be recycled both chemically and mechanically.

Packaging and storage

Hybrid fabric is typically delivered in rolls and should be used directly from packaging. Other dimensions available upon request.

Storage area should be shielded from direct sunlight and kept at ambient temperature below 40° C



Specifications

Reinforcement fiber	E-Glass
Matrix material	PA6
Grammage	650 g/m ²
Weight reinforcement, %	67
Volume reinforcement, %	47

Typical Properties

Fabric pattern	Twill 2/2
Structure, threads / cm (warp/weft)	7/7
Consolidation Range, C°	250-230
Density, g/cm ³	1,84
Thickness of consolidated layer, mm	0,35

Packaging

Width of weave, mm	1300
Length of roll, m	50
Tube, Ø mm interior	80