Comfil® 50003A

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Description

Carbon/LPET sheets are made from weaving continuous carbon fibers commingled with continuous matrix filaments, which are stacked and consolidated.
Carbon/LPET sheets are fully consolidated sheets, ready to thermoform.

Application

Carbon/LPET sheets are typically used for the following composite processes: vacuum consolidation, continuous heat pressing and panel lamination.
The sheets can be reformed unlimited times using only pressure and heat. Good tooling and cooling is essential for proper thermoforming. Carbon/LPET sheets can be recycled both chemically and mechanically.

Specifications

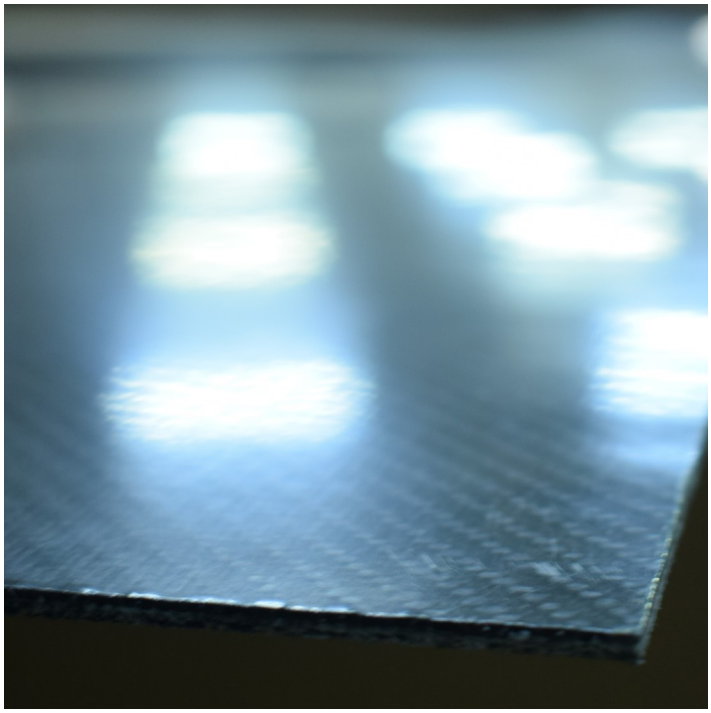
Reinforcement fiber	Carbon 3K
Matrix material	Low melting PET (LPET)
Grammage	1000 g/m2
Weight reinforcement, %	54
Volume reinforcement, %	47

Packaging and storage

Carbon/LPET sheets are typically delivered on pallets and should be kept in dry condition. Storage area should be shielded from direct sunlight and kept at ambient temperature below 40° C

Typical Properties

Tensile strength, MPa	590
Tensile Modulus, GPa	50
Tensile Strain, %	1,25
Density, g/cm^3	1,54



Packaging

Typical length, mm	1000
Typical width, mm	600
Typical thickness, mm	0,7

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Thermoplastic Composites