

Glass-LPET Comfil[®] 50001

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Description

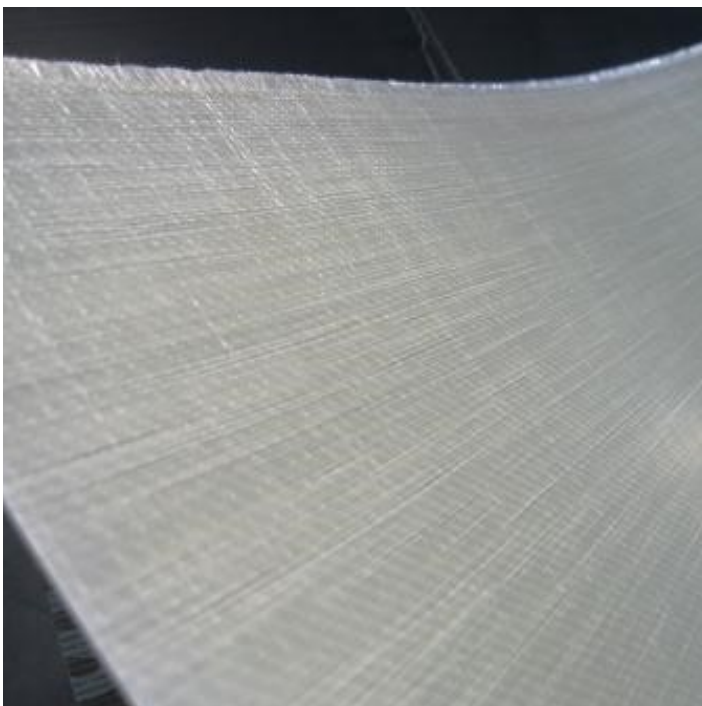
Glass-LPET sheets are made from weaving continuous glass fibers commingled with continuous matrix filaments, which are stacked and consolidated. Glass-LPET sheets are fully consolidated sheets, ready to thermoform.

Application

Glass-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. Glass-LPET sheets can be recycled both chemically and mechanically.

Packaging and storage

Glass-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



Specifications

Reinforcement fiber	Continuous E-glass
Matrix material	Low melting PET (LPET)
Grammage	1500 g/m ²
Weight reinforcement, %	57
Volume reinforcement, %	42

Typical Properties

Tensile strength, MPa	300
Tensile Modulus, GPa	19
Tensile Strain, %	2
Density, g/cm ³	1,87

Packaging

Typical length, mm	1000
Typical width, mm	600
Typical thickness, mm	0,8