

# Comfil<sup>®</sup> 50402

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## Description

LCP/LPET sheets are made from weaving continuous LCP fibers commingled with continuous matrix filaments, which are stacked and consolidated.

LCP/LPET sheets are fully consolidated sheets, ready to

## Application

LCP/LPET sheets are typically used for the following composite processes: vacuum consolidation, continuous heat pressing and panel lamination. The sheets are especially good for sandwich panels with PET foam as core, imparting high composite properties in all aspects.

The sheets can be reformed unlimited times using only pressure and heat. Good tooling and cooling is essential

## Packaging and storage

LCP/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	LCP fiber
Matrix material	Low melting PET (LPET)
Grammage	800 g/m <sup>2</sup>
Weight reinforcement, %	50
Volume reinforcement, %	50

## Typical Properties

Tensile strength, MPa	380
Tensile Modulus, GPa	13
Tensile Strain, %	2,2
Density, g/cm <sup>3</sup>	1,37

## Packaging

Typical length, mm	1000
Typical width, mm	600
Typical thickness, mm	0,6