

# Comfil<sup>®</sup> 50044

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## Description

Glass/PP sheets are made from weaving continuous glass fibers commingled with continuous matrix filaments, which are stacked and consolidated.

Glass/PP sheets are fully consolidated sheets, ready to thermoform.

## Application

Glass/PP 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/PP sheets can be recycled both chemically and mechanically.

## Packaging and storage

Glass/PP 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	E-Glass
Matrix material	PP
Grammage	1400 g/m <sup>2</sup>
Weight reinforcement, %	60
Volume reinforcement, %	34

## Typical Properties

Tensile strength, MPa	300
Tensile Modulus, GPa	14,5
Tensile Strain, %	2,3
Density, g/cm <sup>3</sup>	1,49

## Packaging

Typical length, mm	1000
Typical width, mm	600
Typical thickness, mm	0,9