BIO4M®
50216

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Description

BIO4M® sheets are made from weaving continuous fibers commingled with continuous matrix filaments, which are stacked and consolidated. The materialis also called srPLA - self reinforced polylactic acid.
BIO4M® sheets are fully consolidated sheets, ready to thermoform.

Application

BIO4M® sheets are fully biosourced and biodegradable and typically used for the following composite processes: vacuum consolidation, continuous heat pressing and panel lamination. The sheets are especially good for impact and biofriendly purposes
BIO4M® sheets are 100% recyclable in all categories: chemical and mechanical.

Packaging and storage

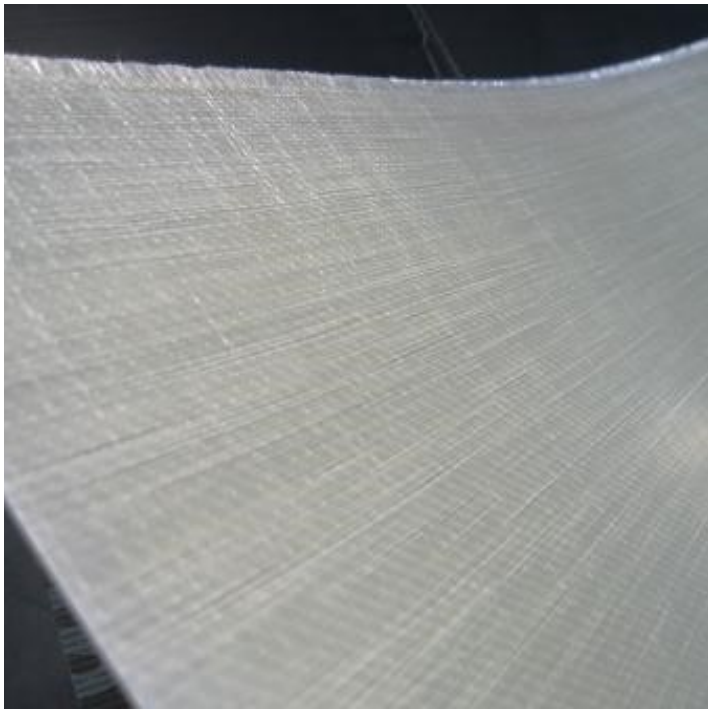
BIO4M® sheets are typically delivered on pallets and should be kept in dry condition. Storage area should be shielded from direct sunlight and kept at ambient temperature below 40° C

Specifications

Reinforcement fiber	High Tenacity PLA
Matrix material	Low melting PLA
Grammage	1440 g/m2
Weight reinforcement, %	50
Volume reinforcement, %	50

Typical Properties

Tensile strength, MPa	36
Tensile Modulus, GPa	3,7
Tensile Strain, %	5,5
Density, g/cm^3	1,24



Packaging

Typical length, mm	1000
Typical width, mm	600
Typical thickness, mm	1,15

COMFIL® Thermoplastic Composites