

BIO4M[®]

30212-56

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Description

BIO4M[®] fabric is made from weaving continuous fibers commingled with continuous matrix filaments, and is also called srPLA - self reinforced polylactic acid.

BIO4M[®] fabric can easily be consolidated into composite by heating the material above the matrix filaments

Application

BIO4M[®] fabric is fully biosourced and biodegradable and typically used for the following composite processes: vacuum consolidation, continuous heat pressing and panel lamination.

BIO4M[®] fabric is 100% recyclable in all categories: chemi-

Packaging and storage

BIO4M[®] fabric is typically delivered in vacuum bags and should be used directly from packaging. The fabric will quickly take up moisture from ambient air, so should be dried at 40° C for prolonged time if exposed. Other dimensions available upon request.

Storage area should be shielded from direct sunlight and



Specifications

Reinforcement fiber	High Tenacity PLA
Matrix material	Low melting PLA
Grammage	360 g/m ²
Weight reinforcement, %	50
Volume reinforcement, %	50

Typical Properties

Fabric pattern	Twill 2/2
Structure, threads / cm (warp/weft)	11/11
Consolidation Range, C°	155-170
Density, g/cm ³	1,24
Thickness of consolidated layer, mm	0,29

Packaging

Width of weave, mm	1300
Length of roll, m	100
Tube, Ø mm interior	80