



Terre de Lin

1 DESCRIPTION

► Bi-Axial and unidirectional

The fabric is a blend of co-mingled flax and thermoplastic fibers
Made from flax hackled sliver, untwisted and parallel
Partially biobased and renewable material
Compatible with high speed process
Implementation temperature PLA : 185°C, PP: 195°C

► Slivers advantages:

- > Fibers integrity
- > Economic
- > Flax fibers characterization
- > Tracability



THERMOPLASTIC FLAX BI-AXIAL REINFORCEMENT FABRIC 2X45°

REFERENCE	DESCRIPTION	THERMOPLASTIC FIBERS	FLAX FIBERS VOLUME (% OF TOTAL)	WIDTH (MM)	ROLLER PACKAGING (M ²)
ML4	Bi-Axial 2X 45° 350 g/m ² of flax	Add to the reference PP or PLA	Add to reference 30, 40 or 50 %	1530	60

THERMOPLASTIC FLAX BI-AXIAL REINFORCEMENT FABRIC 0X90°

REFERENCE	DESCRIPTION	THERMOPLASTIC FIBERS	FLAX FIBERS VOLUME (% OF TOTAL)	OPTION	WIDTH (MM)	ROLLER PACKAGING (M ²)
ML102G	Bi-Axial 0X90° 400 g/m ² of flax	Add to the reference PP or PLA	Add to reference 30, 40 or 50 %	Polyester grid 3X3 6.5g/m ²	1220	100

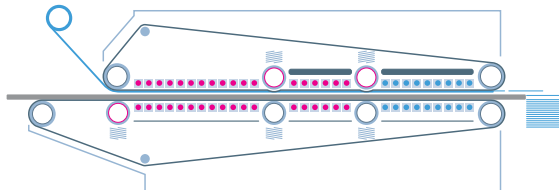
THERMOPLASTIC FLAX UNIDIRECTIONAL REINFORCEMENT FABRIC 0°

REFERENCE	DESCRIPTION	THERMOPLASTIC FIBERS	FLAX FIBERS VOLUME (% OF TOTAL)	OPTION	WIDTH (MM)	ROLLER PACKAGING (M ²)
UD002G	Unidirectional 0° 200 g/m ² of flax	Add to the reference PP or PLA	Add to reference 30, 40 or 50 %	Polyester grid 3X3 6.5g/m ²	1200	100
UD004G	Unidirectional 0° 400 g/m ² of flax	Add to the reference PP or PLA	Add to reference 30, 40 or 50 %	Polyester grid 3X3 6.5g/m ²	1200	100

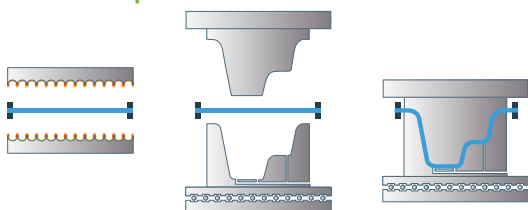
2X45° AND 0X90° BI-AXIAL
0° UNIDIRECTIONAL

2 PRIVILEGED IMPLEMENTATIONS

► Calendering



► Thermocompression



3 ADVANTAGES

- > Density of 1.5g/m²
- > Good rigidity
- > Good fatigue resistance
- > High shocks resistance
- > Very good vibrations absorption
- > Good sound and thermal insulation

4 APPLICATIONS



Sailing
Industries
Design



Automotive
Sports and leisure
Building



Aeronautic
Railway
Furniture

TERRE DE LIN GROUP

- FROM FLAX FIBERS TO COMPOSITES
 - 650 FARMERS
 - 250 EMPLOYEES
- WORLDWIDE LEADER OF FLAX FIBERS PRODUCTION
- 145 MILLIONS EUROS OF TURNOVER
 - FRENCH PRODUCTION

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