



Terre de Lin

BI-AXIAL FLAX REINFORCEMENT FOR THERMOSET APPLICATIONS

0X90° BI-AXIAL FLAX REINFORCEMENT FABRIC



1 DESCRIPTION

- ▶ **Bi-Axial**
Made with 2 equal layers of oriented flax fibers
Made from flax hackled sliver, untwisted and parallel
Biobased and renewable material
Compatible with main resins
- ▶ **Slivers advantages:**
 - > Fibers integrity
 - > Better wettability
 - > Economic
 - > Flax fibers characterization
 - > Tracability

BI-AXIAL REINFORCEMENT FABRIC 0X90°, 100 % HACKLED FLAX FIBERS

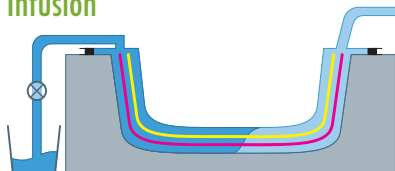
REFERENCE	DESCRIPTION	FLAX QUANTITY (G/M ²)	OPTION	WIDTH (MM)	ROLLER PACKAGING (M ²)
ML102G	Bi axial 0x90° 400 g/m ²	400	Polyester grid 3x3 6.5g/m ²	1220	100
ML105G	Bi axial 0x90° 500 g/m ²	500		1220	100
ML106G	Bi axial 0x90° 600 g/m ²	600		1220	100
ML108G	Bi axial 0x90° 800 g/m ²	800		1220	100

BI-AXIAL REINFORCEMENT FABRIC 0X90°, HACKLED FLAX FIBERS AND CARBON ROVING BLEND

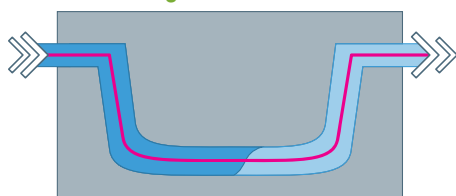
REFERENCE	DESCRIPTION	FLAX QUANTITY (G/M ²)	CARBON REFERENCE	CARBON (G)	OPTION	WIDTH (MM)	ROLLER PACKAGING (M ²)
ML117G	Bi-axial 0x90° 200g/m ² of flax in 0°, 160g/m ² of carbon 24K and 200g/m ² of flax in 90°	400	Roving carbon STS 40 24 K	160	Polyester grid 3x3 6.5g/m ²	1220	100
ML120G	Bi-axial 0x90° 200g/m ² of flax in 0°, 320g/m ² of carbon 48K and 200g/m ² of flax in 90°	400	Roving carbon STS 40 48 K	320		1220	100

2 PRIVILEGED IMPLEMENTATIONS

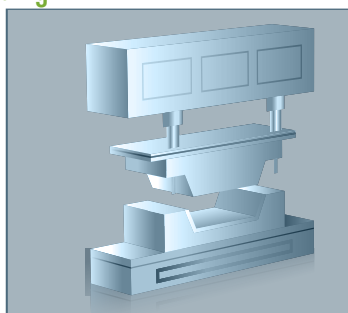
► Infusion



► RTM et RTM Light



► Molding



3 ADVANTAGES

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

4 APPLICATIONS



Sailing
Industries
Design



Automotive
Sports and leisure
Building



Aeronautic
Railway
Furniture

0X90° BI-AXIAL FLAX REINFORCEMENT FABRIC



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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