

# ORTHOFLAX<sup>®</sup> BIAXIAL 350

Non-crimp biaxial flax fabric with fibers oriented at +45° and -45°, suitable for manufacturing fiber reinforced composite products with a high performance and a low environmental impact.

## Technical specifications

		<i>Dry fibers</i>
<b>Tension</b>	Modulus // to fibers	61 GPa
	Modulus ⊥ to fibers	6.4 GPa
	Strength // to fibers	580 MPa
	Strain to failure // to fibers	1%
<b>Flexural</b>	Modulus // to fibers	57 GPa
	Modulus ⊥ to fibers	6.3 GPa
	Strength // to fibers	663 MPa
Density		1350 kg/m <sup>3</sup>

\* Fiber properties measured on a UD flax composite

## Ecological aspects

Flax fibers are grown in France and Belgium, it is a regional resource. Production of flax has a negative global warming indicator because of the CO<sub>2</sub> sequestration by photosynthesis.

## Reference and packaging

ORTHOFLAX BIAXIAL 350 - 5mL	BX 005
ORTHOFLAX BIAXIAL 350 - 10mL	BX 010
ORTHOFLAX BIAXIAL 350 - 20mL	BX 020
ORTHOFLAX BIAXIAL 350 - 50mL	BX 050

## Customs' code

ORTHOFLAX BIAXIAL 350	53091110
-----------------------	----------

## Fabric construction

**Fiber type:** Flax (EU)  
**Construction:** +45°/-45°  
**Fabric weight:** 350 gsm +/-5%

## Ply construction

+45°/-45° ply  
**Fiber type:** Flax (EU)  
**Fiber tex:** 105 TEX  
**Ply weight:** 171 gsm

## Stitching fiber

**Thread:** textured polyester  
**Weight:** 6 gsm

## Measurements

**Standard width:** 1270mm  
**Roll length:** 5, 10, 20, 50m