

Imagine your composite part greener and stiffer than ever before

non crimp

PERFORMING NATURAL FIBRE

PRODUCTS

Less weight and more performance — the Bcomp ampliTex fabrics for your next-generation composites.

ampliTex®

**UD & ±45° bi-axial
FACTS**

FIBRE PROPERTIES

- Tensile strength 500-800 MPa
- Tensile modulus 65 GPa
- Strain to failure 1.8 %
- Density 1400 kg/m³
- European Eco Superior. A local and renewable resource.

FABRIC ARCHITECTURES

- **ampliTex® UD flax fabric, no. 5009**
400 g/m² - Width 345 mm, non crimp
- **ampliTex® UD flax fabric, no. 5309**
400 g/m² - Width 345 mm, non crimp impregnated according your processes
- **ampliTex® biaxial ±45° fabric, no. 5008**
350g/m², width 1270 mm, non crimp

All ampliTex® are non crimp for optimum stress transfer

PROCESSING

- Good compatibility with epoxy and polyester
- Near-zero CTE, hence good processing compatibility with carbon fibres
- Compatible with infusion-based processes (vacuum infusion, RTM), wet layup, bladder inflation moulding (BIM), compression moulding



For all our products we focus on performance, sustainability and consumer acceptance. Contact us if you want to test our fabrics in your application. We will optimize our fabrics to meet the structural requirements of your part.

Using highly automated processes, we control the flax yarn placement such to obtain an application-specific fibre orientation and fabric weight. The flax fibre quality, the yarn thickness and twist are all tailored depending on the required mechanical properties of the final composite part.

Our ampliTex product line includes a large variety of flax fabrics, most of them being available as prepregs. Standard infusion-based processes (vacuum infusion, RTM), wet layup, bladder inflation moulding (BIM) or compression moulding are compatible with our products.

Play naturally smart