DESCRIPTION

- **Unidirectional**
  - Made with 1 layer 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

- **Flax/carbon blend advantages:**
  - > Complementarity of the 2 materials
  - > Equal elongation rate
  - > Rigidity/damping

---

### UNIDIRECTIONAL REINFORCEMENT FABRIC 0°, 100% HACKLED FLAX FIBER

<table>
<thead>
<tr>
<th>REFERENCE</th>
<th>DESCRIPTION</th>
<th>FLAX QUANTITY (G/M²)</th>
<th>OPTION</th>
<th>WIDTH (MM)</th>
<th>ROLLER PACKAGING (M²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UD001</td>
<td>Unidirectional reinforcement fabric 0°</td>
<td>100</td>
<td>Add to the reference V for polyester non-woven 20 or 35g/m² or add G for polyester grid 3x3 6.5g/m²</td>
<td>1200</td>
<td>120</td>
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<tr>
<td>UD002</td>
<td>Unidirectional reinforcement fabric 0°</td>
<td>200</td>
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<td>1200</td>
<td>120</td>
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<tr>
<td>UD003</td>
<td>Unidirectional reinforcement fabric 0°</td>
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<tr>
<td>UD004</td>
<td>Unidirectional reinforcement fabric 0°</td>
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<td></td>
<td>1200</td>
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<tr>
<td>UD005</td>
<td>Unidirectional reinforcement fabric 0°</td>
<td>500</td>
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<td>120</td>
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<tr>
<td>UD006</td>
<td>Unidirectional reinforcement fabric 0°</td>
<td>600</td>
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<td>1200</td>
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### BI-AXIAL REINFORCEMENT FABRIC 0°X90°, HACKLED FLAX FIBERS AND CARBON ROVING BLEND

<table>
<thead>
<tr>
<th>REFERENCE</th>
<th>DESCRIPTION</th>
<th>FLAX QUANTITY (G/M²)</th>
<th>CARBON REFERENCE</th>
<th>CARBON QUANTITY</th>
<th>OPTION</th>
<th>WIDTH (MM)</th>
<th>ROLLER PACKAGING (M²)</th>
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</thead>
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<tr>
<td>UD017V</td>
<td>Unidirectional reinforcement fabric 0° 200g of flax fibers, 160g of carbon</td>
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<td>STS 40 24 K</td>
<td>160</td>
<td>Add to the reference V for polyester non-woven 20 or 35g/m² or add G for polyester grid 3x3 6.5g/m²</td>
<td>1200</td>
<td>100</td>
</tr>
<tr>
<td>UD020V</td>
<td>Unidirectional reinforcement fabric 0° 200g of flax fibers, 320g of carbon</td>
<td>200</td>
<td>STS 40 48 K</td>
<td>320</td>
<td></td>
<td>1200</td>
<td>120</td>
</tr>
</tbody>
</table>
0° UNIDIRECTIONAL FLAX REINFORCEMENT FABRIC

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
- Automotive
- Aeronautic
- Industries
- Sports and leisure
- Railway
- Design
- Building
- 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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