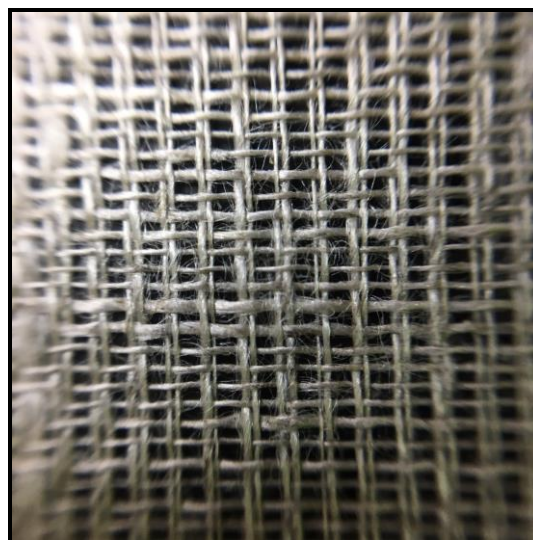
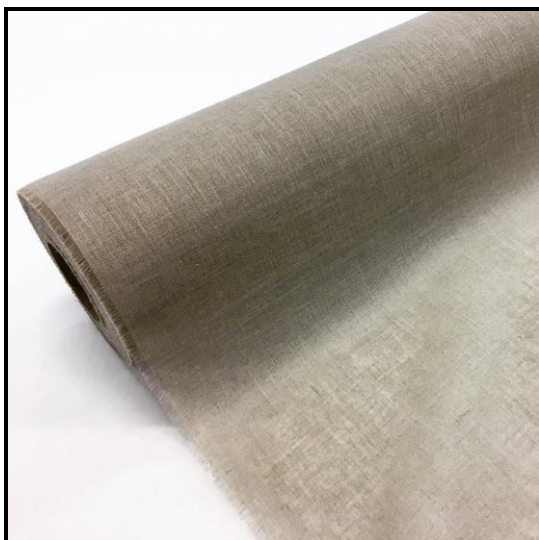


## **PRODUCT      DETAILS**



Flax provides high levels of performance, coupled with the ease of processing normally associated with glass-reinforced materials. The materials use low-twist technology to provide a combination of sustainability, performance and processability not previously seen in composites. Compared to Glass Fibre composites, Flax offers reduced weight, improved environmental impact, vibration damping, similar specific stiffness and safer handling.

<b>ITEM CODE:</b>	<b>AXF202076</b>
<b>WEAVE:</b>	Twill
<b>CONSTRUCTION:</b>	2x2
<b>WEIGHT:</b>	100 g/m <sup>2</sup> (3 oz/yd <sup>2</sup> )
<b>WIDTH:</b>	760mm (30")
<b>THICKNESS:</b>	0.2 mm (0.008")
<b>ROLL LENGTH:</b>	50 metres (54.7 yd)
<b>FINISH:</b>	Loomstate (Untreated)

## **MECHANICAL PROPERTIES**

Typical mechanical properties of moulded laminates

<b>FIBRE VOLUME FRACTION:</b>	24 %
<b>DENSITY:</b>	1.27 g/cm <sup>3</sup>
<b>TENSILE MODULUS:</b>	11 GPa (ISO 527-4)
<b>TENSILE STRENGTH:</b>	98 MPa (ISO 527-4)
<b>ELONGATION:</b>	1.3 %
<b>FLEXURAL MODULUS:</b>	8.7 GPa (ISO 14125)
<b>FLEXURAL STRENGTH:</b>	127 MPa (ISO 14125)

Data from vacuum infused laminates using unsaturated polyester resin, tested at ambient temperature.