

## Product description



FlaxDry™ BL550 is a woven balanced reinforcement, designed for the manufacturing of high performance and low environmental footprint parts.

Nature of product	Twill 2-2 fabric	
Type of yarn	Warp : Half wet	Weft : Half wet
Linear density	Warp : 2,6 Nm	Weft : 2,6 Nm
Flax origin	100% European Flax	
Weaving style	Warp : 7,6 yarns/cm	Weft : 7,0 picks/cm
Weight distribution	Warp : 52,1%	Weft : 47,9%

## Product properties

Property	Value	Unit	Standard
Moisture content	9 ±1	%	NF EN ISO 3344
Surface weight	550 ±55	g.m <sup>-2</sup>	NF G07-150
Fiber density	1,45	g.cm <sup>-3</sup>	-

## Tensile mechanical properties<sup>1</sup>

Property	Data		Unit	Standard
	Weft direction	Warp direction		
Tensile Strength	67 ±4	65 ±3	MPa	ISO 527-5
Young Modulus <sup>2</sup>	7 ±1	8 ±1	GPa	ISO 527-5
Elongation at break	2,0 ±0,1	2,1 ±0,2	%	ISO 527-5
Thickness of 1 impregnated ply	1,34 ±0,02		mm	NF EN ISO 5084

<sup>1</sup> : Flax/Bio-epoxy composite at 29% ±1% of fibers volumic fraction made by vacuum infusion à 0,4mBar

<sup>2</sup> : Modulus measured between 0,02 and 0,1% deformation

### Storage

Dry area and avoid direct sunlight

### Manufacturing methods

Infusion, RTM, thermocompression, hand lay up, ...

### EcoTechnilin

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