

Product description



FlaxDry™ BL360 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 : 6 Nm	Weft : 6 Nm
Flax origin	100% European Flax	
Weaving style	Warp : 10,5 yarns/cm	Weft : 10 picks/cm
Weight distribution	Warp : 51%	Weft : 49%

Product properties

Property	Value	Unit	Standard
Moisture content	9 ±1	%	NF EN ISO 3344
Surface weight	360 ±36	g.m ⁻²	NF G07-150
Fiber density	1,45	g.cm ⁻³	-

Tensile mechanical properties¹

Property	Data		Unit	Standard
	Weft direction	Warp direction		
Tensile Strength	75 ±4	78 ±2	MPa	ISO 527-5
Young Modulus ²	5 ±1	6 ±1	GPa	ISO 527-5
Elongation at break	2,4 ±0,2	3,2 ±0,2	%	ISO 527-5
Thickness of 1 impregnated ply	0,83 ±0,02		mm	NF EN ISO 5084

¹ : Flax/Bio-epoxy composite at 31% ±1% of fibers volumic fraction made by vacuum infusion à 0,4mBar

² : Modulus measured between 0,02 and 0,1% deformation

Storage

Dry area and avoid direct sunlight

Manufacturing methods

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

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