

Product description



FlaxDry™ BL200 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 : 9,5 Nm	Weft : 9,5 Nm
Flax origin	100% European Flax	
Weaving style	Warp : 10,2 yarns/cm	Weft : 10,1 picks/cm
Weight distribution	Warp : 49,8%	Weft : 50,2%

Product properties

Property	Value	Unit	Standard
Moisture content	9 ±1	%	NF EN ISO 3344
Surface weight	220 ±22	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	58 ±2	61 ±6	MPa	ISO 527-5
Young Modulus ²	6 ±1	7 ±1	GPa	ISO 527-5
Elongation at break	1,8 ±0,1	1,5 ±0,2	%	ISO 527-5
Thickness of 1 impregnated ply	0,59 ±0,02		mm	NF EN ISO 5084

¹ : Flax/Bio-epoxy composite at 29% ±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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