



Technical datasheet 2017

FLAXDRY BL200

Technical datasheet for weaves

MECHANICAL PROPERTIES OF WOVEN FABRIC COMPOSITE VF (%)	TENSION	FLEXURAL
	41 ±	41 ±
Density (g/cm ³)	1.27 ±	1.27 ±
Modulus in warp direction (GPa)	E1= 11.2 ± (1) E2= ± (2)	E1= 9.4 ± (1) E2= N/C ± (2)
Modulus in weft direction (GPa)	E1= N/C ± (1) E2= ± (2)	E1= N/C ± (1) E2= ± (2)
Strength in warp (MPa)	100 ±	106 ±
Strength in weft (MPa)	N/C ±	N/C ±
Failure strain in warp (%)	1.2 ±	1.68 ±
Failure strain in weft (%)	N/C ±	N/C ±
Standards	ISO 527	SO 14125

- (1) Measured between 0 and 0,1% strain
 (2) Measured between 0,3 and 0,5 % strain

RECOMENDED STORAGE AND USE CONDITIONS

Keep it in the plastic bag



Description of the fabric

Property	Unit	Standard	Value
<i>COMPOSITION</i> Reinforcing fiber : Flax ☒ Hemp ☐	VOL %		100 $\pm$
<i>AREAL WEIGHT</i>	g / m ²	ISO 3801	222.1 $\pm$
<i>AREAL VOLUME</i> *	mm ³ / mm ²	Calculation	0.153 $\pm$
<i>THICKNESS</i>	mm	ISO 5084	0.225 $\pm$
<i>WEAVE STYLE</i>			Twill 2/2
<i>YARNS / CM</i>	(warp)	ISO 4602	10.2 $\pm$
<i>PICKS CM</i>	(weft yarns)	ISO 4602	10.1 $\pm$
<i>WEIGHT DISTRIBUTION</i>	%		weft : 49.8 $\pm$ warp : 50.2 $\pm$
<i>STANDARD WIDTH</i>	cm	ISO 5025	103 $\pm$

*AREAL VOLUME = $\frac{\text{areal weight}}{\text{density}} \times \frac{1}{1000}$

A glass fiber weave of 200 g/m² has an areal volume of 0,079 mm³ / mm², while a flax weave of 200g /m² has an areal volume of 0.138 mm³ / mm².



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Description of the yarns / rovings

	UNIT		WARP	WEFT
TYPE OF YARNS / ROVINGS	half wet spin yarns		half wet spin	half wet spin
COMPOSITION	VOL %		EU ☒ NON-EU ☐	EU ☒ NON-EU ☐
Reinforcing fiber :			100 ±	100 ±
Flax ☐ Hemp ☐	Brand name :		EU ☒ NON-EU ☐	EU ☒ NON-EU ☐
Matrix fiber			±	±
DENSITY	g/cm ³		1.45 ±	1.45 ±
		Standard		
LINEAR DENSITY	Tex (g/km)	ISO 1973	104.2 ±	104.2 ±
TORSION	Twists / m	ISO 17202	N/C ±	N/C ±