Technical datasheet

FLAXDRY BL200

Technical datasheet for weaves

MECHANICAL PROPERTIES OF WOVEN FABRIC COMPOSITE VF (%)	TENSION 41 ±	FLEXURAL 41 ±
Density (g/cm³)	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

Eco-Technilin SAS. Capital social : 300.000 €. Siège Social : ZA Caux Multipôles, RD 6015, 76190 VALLIQUERVILLE - B.P. 244, 76197 YVETOT CEDEX
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Description of the fabric

Property	Unit	Standard	Value
COMPOSITION *Reinforcing fiber : Flax X Hemp □*	VOL %		100 ±
AREAL WEIGHT	g / m²	ISO 3801	222.1 ±
*AREAL VOLUME **	mm³ / mm²	Calculation	0.153 ±
THICKNESS	mm	ISO 5084	0.225 ±
WEAVE STYLE			Twill 2/2
YARNS / CM	(warp)	ISO 4602	10.2 ±
PICKS CM	(weft yarns)	ISO 4602	10.1 ±
WEIGHT DISTRIBUTION	%		weft : 49.8 ± warp : 50.2 ±
STANDARD WIDTH	cm	ISO 5025	103 ±

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

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 x NON-EU □	EU x NON-EU □
Reinforcing fiber :			100 ±	100 ±
Flax □ Hemp □	Brand name :		EU x NON-EU □	EU x NON-EU □
Matrix fiber			±	±
DENSITY	g/cm³		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 ±

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