

Technical datasheet

Lumilys WH100

Agrotexiles - Smart reflective groundcover



Technical Textiles

Functions

Reflects incoming PAR light

Achieves 80% reflection

Improves the microbiological health of your soil

Balances the water retention capacity of your orchard

Durable against weathering and UV

Withstands normal mechanical exposure

Product Specifications

PROPERTIES	TEST METHOD	VALUE		UNIT	TOLERANCE
		WARP	WEFT		
MATERIAL		PP	PP		
TISSUE COLOUR		white			
PATTERN		line in the middle and at both sides			
COLOUR LINING		red/green			
TISSUE WEIGHT	ASTM D5261	2.95		oz/y ²	± 5 %
		100		g/m ²	± 5 %
WIDTH		8.53 - 9.84 - 10.83		ft	± 0.1 ft
		260 - 300 - 330		cm	± 2 cm
LENGTH		328		ft	± 2 %
		100		m	± 2 %

Technical characteristics

PROPERTIES	TEST METHOD	VALUE		UNIT	TOLERANCE
		WARP	WEFT		
TRAPEZOÏD TEAR STRENGTH	ASTM D4533	81	60	lbs	± 20 %
		0.36	0.26	kN	± 20 %
GRAB TENSILE STRENGTH	ASTM D4632	144	119	lbs	± 20 %
		0.64	0.53	kN	± 20 %
GRAB ELONGATION	ASTM D4632	25.0	19.9	%	± 20 %
SHRINKAGE	15' à 70 °C	1.0	1.0	%	MAX
Mullen Burst	ASTM D3786	237		psi	± 20 %
		1635		kPa	± 20 %

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