

Lumilys WH110

Agrotextiles - Smart reflective groundcover

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 at both sides			
COLOUR LINING		red			
TISSUE WEIGHT	ISO 3801	110		g/m ²	± 5 %
WIDTH		260 - 300		cm	± 2 cm
LENGTH		100		m	± 2 %

Technical characteristics

PROPERTIES	TEST METHOD	VALUE		UNIT	TOLERANCE
		WARP	WEFT		
BREAK ELONGATION	ISO 13934-1	18	12	%	± 10 %
TENSILE STRENGTH	ISO 13934-1	850	1225	N/5cm	± 10 %
PERFORATION RESISTANCE	EN ISO 13433	18		mm	MAX
UV-STABILIZATION	ISO 4892-3 cycle 3	≅ 900		kLy	
LIGHT REFLECTION		80		%	
SHRINKAGE	15' à 70 °C	1,0	1,0	%	MAX
WATERPERMEABILITY	ISO 11058	0,010		m/s	± 50 %
ABRASION RESISTANCE	ISO 12947-2	60000		cycles	
REMARKS	UV-Stabilization : Based on QUV testing min 8300 h (cycles of 5 h light exposure UV-A 340 nm 0,83 W/m ² at 50°C and 1 h water spray), which corresponds theoretically to a solar irradiation of 900 kLY. In a climate zone of 90 kLy/y (Western Europe) this corresponds to 10 years.				

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