

Technical datasheet

Lumilys WH110

Agrotextiles - 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 at both sides			
COLOUR LINING		red			
TISSUE WEIGHT	ASTM D5261	3.24		oz/y ²	± 5 %
		110		g/m ²	± 5 %
WIDTH		8.53 - 9.84		ft	± 0.1 ft
		260 - 300		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	78	lbs	± 20 %
		0.36	0,35	kN	± 20 %
GRAB TENSILE STRENGTH	ASTM D4632	144	131	lbs	± 20 %
		0.64	0,58	kN	± 20 %
GRAB ELONGATION	ASTM D4632	25.0	16,7	%	± 20 %
SHRINKAGE	15' à 70 °C	1.0	1.0	%	MAX
Mullen Burst	ASTM D3786			psi	± 20 %
				kPa	± 20 %

This information contained in this document is based on testing carried out by our laboratory or external research institutes and literature data, and based on Mean Values. This TDS is valid until further notice. To the best of our knowledge and at the time of publication, this information is true and accurate. It shall however, in no event be held to constitute or imply warranty undertaking express or implied commitment from the part of Beaulieu International Group – Division Beaulieu Technical Textiles. No liability whatever can be accepted by Beaulieu International Group – Division Beaulieu Technical Textiles with regard to the handling, processing or use of the product concerned which must in all cases be used in accordance with all applicable laws and regulations. The mentioned characteristics are not valid when the fabric has been in contact with sulphur-, chlorine-, iron- and bromine derivatives, as well as with copper sulphates and if the product is not installed and used in strict accordance with the installation instructions.