

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 | 79 | 70 | lbs | ± 20 % |
| | | 0.35 | 0.31 | 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 | 237,0 | | psi | ± 20 % |
| | | 1635,0 | | kPa | ± 20 % |

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