

MACTEX® W2 10S
HIGH STRENGTH WOVEN POLYESTER GEOTEXTILE

MACTEX® W2 geotextiles are planar woven structures manufactured by weaving in the warp and weft directions, high tenacity polyester yarns; these fabrics are engineered materials suitable for short and long term soil reinforcement applications.

MACTEX® W2

			10S	NOTES
Mechanical and Hydraulic properties				
Tensile strength (MD)	EN ISO 10319	kN/m	110	1,2,3
Tolerance			-10.00	1,2,3
Strain at Tch (MD)	EN ISO 10319	%	10.00	1,3,4
Tolerance			±2.00	1,3,4
Tensile strength (CMD)	EN ISO 10319	kN/m	110	1,2,5
Tolerance			-10.00	1,2,5
Strain at Tch (CMD)	EN ISO 10319	%	10.00	1,3,5
Tolerance			±2.00	1,3,5
CBR (Static Puncture Resistance)	EN ISO 12236	kN	10.20	1,2
Tolerance			-2.00	1,2
Cone Drop (Dynamic Puncture Resistance)	EN ISO 918	mm	16.00	1,2
Tolerance			+5.00	1,2
Permeability (Normal to plane)	EN ISO 11058	m/sec	1.2x10 ⁻³	1,2,6
Flowrate		l/m ² s	1.20	
Tolerance		m/sec	-1x10 ⁻³	1,2
		l/m ² s	-1.00	
Opening Pore Size O ₉₀	EN ISO 12956	µm	80.00	1,2
Tolerance			-20.00	1,2
Physical properties - typical				
Polymer-warp and weft			High Tenacity Polyester (PET)	
Roll width		m	5.20	8, 9
Roll length		m	100	8
Durability				
To be covered within 1 day after installation. Predicted to be durable for more than 100 years in natural soils at temperatures <25 °C, 4 < pH < 9				10

NOTES

- The reported values are based on test results run internally and by third party independent laboratories and - even if true and correct at the best of Maccaferri's knowledge - may be subject to change without prior notice therefore no guarantee or liability can be drawn from the listed information; for certified values refer to the one reported in the corresponding DoP of the listed grade;
- Mean value;
- MD means length direction;
- T_{ch} corresponds to the mean value deducted from the tolerance and corresponds to the MARV at the required confidence limit;
- CMD means transverse direction;
- The Constant Head Permittivity Test was performed at 50mm;
- Nominal value; on reported data is admitted a typical tolerance of 5%;
- Nominal values;
- Variable width can be available depending on the production plan and the machine's availability; please check the stock position with the logistics dept. of the competent Maccaferri branch;
- 100y service life EN 12247 test in progress.
- Info related to tensile strength at 2%, 5% strain, typical stress-strain curves and LTDS parameters are available on request
- Other strengths (up to 1500kN) can be produced to fit client requirements. Please contact us for further information on feasibility
- The material is flammable



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