

MACTEX[®] W2 100.05
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

			100.05	NOTES
Mechanical and Hydraulic properties				
Tensile strength (MD)	EN ISO 10319	kN/m	1100	1,2,3
Tolerance			-100.00	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	55	1,2,5
Tolerance			-5.00	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	17.00	1,2
Tolerance			-2.00	1,2
Cone Drop (Dynamic Puncture Resistance)	EN ISO 918	mm	10.00	1,2
Tolerance			+5.00	1,2
Permeability (Normal to plane)	EN ISO 11058	m/sec	0.001	1,2,6
Flowrate		l/m ² s	0.99	
Tolerance		m/sec	-1x10 ⁻⁴	1,2
		l/m ² s	-0.10	
Opening Pore Size O ₉₀	EN ISO 12956	µm	58.00	1,2
Tolerance			-40.00	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



For the optimisation and improvement process of the technical characteristics of the products, the producer reserves the right to modify the standards and characteristics at the product without any warning. The information contained herein is to the best of our knowledge accurate, but since the circumstances and conditions in which it may be used are beyond our control, we do not accept any liability for any loss or damage, however arising, which results directly or indirectly from the use of such information nor do we offer any warranty or immunity against patent infringement.

© Maccaferri Ltd. All rights reserved. Maccaferri will enforce Copyright.