MACCAFERRI

TECHNICAL DATA SHEET

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MACTEX W2™

HIGH STRENGTH WOVEN POLYESTER GEOTEXTILES

MACTEX W2			3S	5S	7S	8S	10.05	10S	12S	15.05	15S	20.05	20S	30.05	30.10	40.05	50.05	50.10	60.05	80.10
Mechanical and Hydraulic properties																				
Tensile strength (MD)	EN ISO 10319	kN/m	40	55	80	90	110	110	130	160	160	220	220	330	330	440	550	550	660	880
Tolerance			-5	-5	-10	-10	-10	-10	-10	-10	-10	-20	-20	-30	-30	-40	-50	-50	-60	-80
Strain at max load (MD)	EN ISO 10319	%	9	9	9	9	10	10	10	11	10	10	10	11	13	12	13	13	11	10
Tolerance			±2	±3	±2	±3	±2	±2	±2	±3	±2	±2.5	±3	±2.5	±3	±3	±2	±2	±4	±2.5
Tensile strenth (CD)	EN ISO 10319	kN/m	40	55	80	90	55	110	130	55	160	55	220	55	110	55	55	110	55	110
Tolerance			-5	-5	-10	-10	-5	-10	-10	-15	-10	-5	-20	-5	-10	-5	-5	-10	-5	-10
Strain at max load (CD)	EN ISO 10319	%	9	9	9	9	10	9	10	10	10	10	10	11	11	11	11	11	10	10
Tolerance			±2	±3	±2	±3	±2	±2	±3	±2	±2	±2.5	±3	±2.5	±3.5	±3	±2	±2	±2.5	±2.5
CBR (Static Puncture Resistance)	EN ISO 12236	kN	3	4	6	7	6	8	10	7	16	11	17	>12	>18	10	>8	>8	13	15
Tolerance			-1	-2	-2	-2	-2	-3	-4	-2	-5	-3	-5	-5	-3	-4	-0	-0	-3	-5
Cone Drop (Dynamic Puncture)	EN ISO 918	mm	21	25	18	15	20	20	10	27	12	13	10	15	13	5	25	20	5	8
Tolerance			+8	+10	+5	+4	+5	+4	+8	+7	+3	+7	+5	+4	+4	+2	+5	+6	+3	+4
Permeability (Normal to plane)	EN ISO 12956	m/sec	0.07	0.07	0.08	0.08	0.08	0.04	0.05	0.04	0.02	0.04	0.02	0.015	0.015	0.004	0.015	0.015	0.002	0.05
Tolerance			-0.03	-0.03	-0.03	-0.03	-0.03	-0.02	-0.02	-0.02	-0.01	-0.02	-0.01	-0.01	-0.005	-0.002	-0.005	-0.005	-0.001	-0.02
Opening Pore Size O_{90}	EN ISO 11058	µm	650	1300	500	380	650	440	600	800	400	400	460	150	170	300	200	200	80	150
Tolerance			±250	±100	±200	±150	±250	±110	±300	±300	±200	±200	±130	±50	±50	±200	±50	±60	±30	±50
Physical properties - typical																				
Polymer-warp and weft																				
Roll width		m																		
Roll length		m	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	50	50	50

High tenacity polyester

Roll width

MACTEX® W2 geotextiles are planar woven structures manufactured woving in the warp and weft directions high tenacity polyester yarns.

NOTE

- The material can be produced also in 3.5 - 5.20m wide rolls and the length can vary according to client requirements.
- Standard product is 3.8m wide roll for efficiency of shipping. Products manufactured to order are non-returnable and delivery times are to be advised.
- The above products illustrate our basic products. Other strengths (up to 1000kN) can be produced to suit client requirements. Please contact us for further informations on feasibility.
- The Constant Head Pemittivity Test was performed at 50mm.

For the optimisation and improvement process of the technical characteristics of the products, the producer reserves the factibility to modify standard 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.

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