

MACTEX W1™

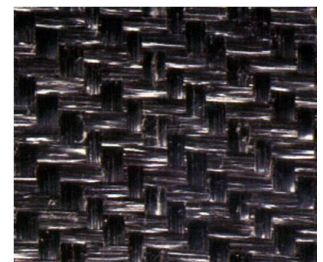
WOVEN POLYPROPYLENE GEOTEXTILES

		20.17	25.20	2S	3S	4S	5S	6S	8S	10S
MACTEX W1										
Mechanical and Hydraulic properties										
Tensile strength (MD)	EN ISO 10319	20	25	27	31	41	48	63	83	108
Tolerance		-2.0	-3.5	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0
Strain at max load (MD)	EN ISO 10319	16	13	13	16	17	18	17	19	20
Tolerance		±3	±3	±3	±3	±3	±3	±3	±3	±3
Tensile strength (CD)	EN ISO 10319	17	20	28	33	42	50	61	81	104
Tolerance		-2	-3	-5	-5	-5	-5	-5	-5	-5
Strain at max load (CD)	EN ISO 10319	15	12	12	17	12	13	13	15	15
Tolerance		±3	±3	±3	±3	±3	±3	±3	±3	±3
Static Puncture Resistance - CBR	EN ISO 12236	2.5	3.0	3.0	3.5	5.0	5.0	8.0	10.0	10.5
Tolerance		-0.5	-0.3	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Dynamic Puncture Resistance - Cone Drop	EN ISO 13433	15	14	14	11	12	10	10	7.5	1.1
Tolerance		+3	+3	+3	+3	+3	+2	+2	+2	+0.3
Permeability - normal to plane	EN ISO 11058	0.022	0.012	0.015	0.016	0.021	0.018	0.014	0.022	0.033
Tolerance		-0.005	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
Opening Pore Size O ₉₀	EN ISO 12956	240	200	200	230	250	100	180	120	470
Tolerance		±60	±60	±60	±60	±60	±30	±50	±50	±50
Physical properties - typical										
Warp and Weft Polymers		Polypropylene								
Roll width		Ranging from 4 to 5.3								
Roll length		200	200	200	200	200	200	200	200	200
Durability		The geotextile has to be covered within one month; it is durable at least for 25 years in natural soils with 4<ph<9 and soil temperature <25°C.								

MACTEX® W1 geotextiles are planar woven structures manufactured weaving in the warp and the weft directions polypropylene tapes.

NOTE

- The material can be produced also in different wide rolls and the length can vary according to client requirements.
- Standard product is 5.2m 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 range. Other strengths can be produced to suit client requirements. Please contact us for further informations on feasibility.
- The Constant Head Permittivity 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.