

**MACTEX<sup>®</sup> H3500**

**NEEDLEPUNCHED & THERMOCALENDERED NONWOVEN GEOTEXTILES**

MACTEX<sup>®</sup> H are nonwoven geotextiles manufactured with virgin high tenacity polypropylene fibers assembled by a needlepunched treatment and thermocalendered. The fabrics are CE marked according to EN 13249, 13250, 13251, 13252, 13253, 13254, 13255, 13256, 13257, 13265 for the following intended uses: F, S, R, F+S, F+R+S, R+S, F+R.

**MACTEX<sup>®</sup> H**

			3500	
<b>Mechanical and Hydraulic properties</b>				
Tensile strength (MD)	EN ISO 10319	kN/m	24	1,2
Tolerance			-2.4	
Strain at max load (MD)	EN ISO 10319	%	55	1
Tolerance			-11	
Tensile strength (CD)	EN ISO 10319	kN/m	24	1,2
Tolerance			-2.4	
Strain at max load (CD)	EN ISO 10319	%	60	1
Tolerance			-12	
Static Puncture Resistance - CBR	EN ISO 12236	N	3900	1
Tolerance			-390	
Dynamic Puncture Resistance - Cone Drop	EN ISO 13433	mm	12.0	1
Tolerance			+1.2	
Permeability - normal to plane	EN ISO 11058	l/m <sup>2</sup> sec	50	1,3
Tolerance			-15	
Opening Pore Size O <sub>90</sub>	EN ISO 12956	µm	65	1
Tolerance			± 19.5	
<b>Physical properties - typical</b>				
Warp and Weft Polymers			Polypropylene	
Mass per unit	EN ISO 9864	g/m <sup>2</sup>	300	1
Roll width		m	5.85	4
Roll length		m	100	4



**NOTE:**

- 1: Mean value; if not differently indicated a standard 10% tolerance value is admitted;
- 2: T<sub>ch</sub> corresponds to the mean value deducted the tolerance and corresponds to the MARV at 95% of confidence limit;
- 3: The Constant Head Permittivity Test was performed at 50mm.
- 4: Nominal value; a standard 1% tolerance is admitted.

MD : longitudinal direction  
 CMD : transversal direction

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