

MACTEX[®] H1400

NEEDLEPUNCHED & THERMOCALENDERED NONWOVEN GEOTEXTILES

MACTEX[®] 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, D, R, F+D, F+S+D, F+R+S, F+S, R+S, F+R.

MACTEX[®] H

1400

Mechanical and Hydraulic properties				
Tensile strength (MD)	EN ISO 10319	kN/m	13	1,2
Tolerance			-1.3	
Strain at max load (MD)	EN ISO 10319	%	55	1
Tolerance			-11	
Tensile strength (CD)	EN ISO 10319	kN/m	13	1,2
Tolerance			-1.3	
Strain at max load (CD)	EN ISO 10319	%	60	1
Tolerance			-12	
Static Puncture Resistance - CBR	EN ISO 12236	N	2100	1
Tolerance			-210	
Dynamic Puncture Resistance - Cone Drop	EN ISO 13433	mm	27.0	1
Tolerance			+2.7	
Permeability - normal to plane	EN ISO 11058	l/m ² sec	85	1,3
Tolerance			-25.5	
Opening Pore Size O ₉₀	EN ISO 12956	µm	80	1
Tolerance			± 24	
Physical properties - typical				
Warp and Weft Polymers			Polypropylene	
Mass per unit	EN ISO 9864	g/m ²	160	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_{ch} 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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