

POLYPROPYLENE NONWOVEN GEOTEXTILES

Mechanical and Hydraulic properties		H15.1	H20.1	H25.1	H33.1	H40.1	H55.1	H60.1	H70.1	N80.1	N90.1
Tensile strength — MD according to ISO 10319 or SANS 1525	kN/m	8	10	11	12	15	21	23	26	25	30
Tensile strength — CMD according to EN ISO 10319 or SANS 1525	kN/m	8	10	11	12	15	21	23	26	28	38
Strain — MD/CMD according to ISO 10319 or SANS 1525	%	40-65									
CBR Static puncture resistance according to ISO 12236 or SANS 12236	N	1500	1700	2000	2100	2600	3600	3900	4500	4500	6500
Dynamic puncture resistance according to ISO 13433 or SANS 13433	mm	28	25	23	20	17	12	12	11	8	4
Water flow (normal to the plane) according to ISO 11058 or SANS 11058	l/(sec m ²)	106	77	71	54	54	27	43	25	42	38
Opening pore size O ₉₀ according to ISO 12956 or SANS 12956	micron	70	70	70	70	70	70	70	70	70	70
Physical properties - typical											
Polymer raw material		Virgin polypropylene with added UV stabilizer									
Mass per unit (ISO 9864 or SANS 9864)	g/m ²	120	130	150	165	200	275	310	340	400	500
Thickness (ISO 9863-1 or SANS 9863-1)	mm (2 kPa)	0.7	0.7	0.8	0.9	1.0	1.2	1.6	1.8	3.4	4.2
Durability		Material to be covered in one month after the installation. Predicted to be durable in natural soils (4<ph<9) at a temperature <25 °C for a minimum of 25 years									
Roll Dimension											
Width	m	1.3, 2.6, 5.2, 5.9									
Length	m	150									
Minipack - 10m long increment	available	yes									

Nonwoven geotextiles manufactured with virgin polypropylene with added UV stabilizer fibers assembled by a needlepunched treatment (N) and thermocalendered (H).

The reported values represent mean values based on current production test results.

Note:

Intermediate grades are available on request.

Loading plan by truck and container are available on request.

Intermediate dimensions are available on request.

Please contact your nearest Maccaferri Africa office.



As part of the ISO 9001 Management Systems, guided research and development programmes, information contained herein is continuously updated. Please confirm with Maccaferri SA (Pty) Ltd the latest version of the Product's Specification available.

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