

Product Datasheet - Non Woven Geotextile

Non Woven Geotextile 100% Polypropylene Staple Fiber Needle punched non-woven Geotextiles. It has been characterised by high strength, maximum width (5.8 m) and UV stabilised. It is resistant to commonly encountered soil chemicals, mildew and insects and is non-biodegradable.

Non Woven Geotextile Series conforms to the following property values:

Properties	Test Method	Unit	SP 100	SP 150	SP 200	SP 250	SP 300	SP 350	SP 400	SP 700	SP 1000
Mechanical Properties											
Tensile strength	ASTM D 4595	kN/m	6.0	10	12	16	20	24	28	45	60
Elongation at break	ASTM D 4595	%	> 50	> 50	> 50	> 50	> 50	> 50	> 50	> 50	> 50
Grab Tensile Strength	ASTM D 4632	N	330	550	710	850	1050	1250	1450	2300	3350
Elongation at break	ASTM D 4595	%	> 55	> 55	> 55	> 55	> 55	> 55	> 55	> 55	> 55
Trapezoidal Tear Strength	ASTM D 4533	N	120	180	270	320	400	450	510	750	1150
Puncture Strength (CBR)	ASTM D 6241	N	750	1400	1850	2300	3000	3500	4000	7000	9500
Hydraulic Properties											
A.O.S	ASTM D 4751	microns	100	100	80	80	75	75	75	75	75
Flow Water Rate (@ 50mm head)	ASTM D4491	l/m ² /sec	70	70	50	50	40	40	40	30	30
Physical properties											
Mass Per Unit	ASTM D 5261	g/m ²	100	150	200	250	300	350	400	700	1000
Thickness	ASTM D 5199	mm	0.6	1.2	1.6	1.8	2.2	2.4	2.6	4	5

Above values are **MARV**

This information is provided for reference purpose only and is not intended as Warranty or Guarantee.

The Company has a procedure of constantly improving the products based on research and feedback. Therefore, we reserve the right to change the specifications contained herein without prior notice.