



Nonwoven Geotextiles

RETECH GEOSYNTHETICS

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Discription: These nonwoven geotextiles are manufactured from high quality polypropylene staple fibres. The fibres are mechanically bonded through needle-punching to form a strong, flexible and dimensionally stable fabric structure, with optimum pore sizes and high permeability. The geotextile is resistant to chemicals and biological organisms normally found in soils and is stabilized against degradation due to short-term exposure to ultraviolet radiation.

Retech Nonwoven Geotextile meet following minimum average roll values:

Property	Test Method	Unit	RG-NW150	RG-NW200	RG-NW250	RG-NW300	RG-NW400	RG-NW500	RG-NW600
Mass Per unit Area	ASTM D-5261	g/m ²	150	200	250	300	400	500	600
Thickness	ASTM D-5199	mm	1.3	1.6	1.8	1.9	2.5	2.9	3.4
Grab Tensile Strength	ASTM D 4632	N	540	720	865	1010	1325	1570	1980
Elongation @ Break	ASTM D 4632	%	60	60	60	60	60	60	60
Trapezoid Tear Strength	ASTM D 4533	N	230	300	360	415	510	600	705
Puncture Strength	ASTM D 4833	N	315	400	525	650	785	910	1080
Permittivity	ASTM D 4491	Sec ⁻¹	2.4	2	1.6	1.2	0.8	0.7	0.6
Apparent Opening Size	ASTM D 4751	µm	180	150	150	120	106	90	<70
Mullen Burst	ASTM D 3786	kPa	1655	2175	2630	3185	4050	4700	5500
Ultraviolet Resistance	ASTM D 4355	%@500hrs	70%	70%	70%	70%	70%	70%	70%
Roll Length	-	m	100	100	100	100	100	50	50
Roll Width	-	m	5	5	5	5	5	5	5
Roll Weight	-	kg	75	100	125	150	200	125	150

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