

# MULTITRACK SNW RANGE

## Superior Needle Punched Nonwoven Geotextiles

## Technical Data Sheet 1/2

Mechanical Properties	Test	Units	14	17	20	25	30	38	40	46
Tensile Strength - MD	EN ISO 10319	kN/m	8	10	11	14	17	20	22	26
Tensile Strength - XD	EN ISO 10319	kN/m	8	11	12	15	18	22	25	28
Elongation at break - MD	EN ISO 10319	%	45	45	45	45	45	45	55	55
Elongation at break - XD	EN ISO 10319	%	50	55	55	50	55	55	60	60
CBR Puncture Resistance	EN ISO 12236	N	1400	1700	2000	2500	3000	3800	4000	4600
Dynamic Cone Drop	EN 918	mm	20	17	14	14	10	9	8	6
Protection Efficiency	WI 189066	N	85	120	140	205	259	330	385	442

Hydraulic Properties	Test	Units	14	17	20	25	30	38	40	46
Permeability	EN ISO 11058	m/s	125x10 <sup>-3</sup>	120x10 <sup>-3</sup>	115x10 <sup>-3</sup>	100x10 <sup>-3</sup>	90x10 <sup>-3</sup>	80x10 <sup>-3</sup>	75x10 <sup>-3</sup>	70x10 <sup>-3</sup>
Waterflow normal to the plane	EN ISO 11058	l/m <sup>2</sup> .s	125	120	115	100	90	80	75	70
Waterflow in the plane	EN ISO 12958	m <sup>2</sup> /s	1x10 <sup>-7</sup>	1x10 <sup>-7</sup>	7x10 <sup>-6</sup>	7x10 <sup>-6</sup>	7x10 <sup>-6</sup>	8x10 <sup>-6</sup>	8x10 <sup>-6</sup>	8x10 <sup>-6</sup>
Characteristic Opening Size	EN ISO 12956	µm	110	100	95	95	90	80	< 70	< 70

Physical Properties	Test	Units	14	17	20	25	30	38	40	46
Thickness under 2 kPa	EN 964/1	mm	1.2	1.5	1.7	1.9	2.1	2.2	2.6	2.9
Weight	EN 965	g/m <sup>2</sup>	120	150	175	200	235	300	335	370
Roll width		cm	525	525	525	500	500	500	500	525
Roll length		m	100	100	100	100	100	100	100	100/50
Full load volume (+/- 10%)		m <sup>2</sup>	57 750	44 625	39 375	34 125	28 000	22 500	21 000	18 000
Roll diameter (+/- 10%)		cm	35	38	41	45	49	54	56	60/42

#### Notes relating to the use of Wrekin geotextile products

1. Wrekin reserves the right to alter product specifications without prior notice.
2. It is the responsibility of all users to satisfy themselves that the above data is current.
3. The above figures are average values obtained from testing to current EN geotextile test standards. Although not guaranteed, these results do to the best of our knowledge, offer a true and accurate record of the products performance.
4. Polypropylene is the constituent polymer used in the production of the SNW geotextile range.
5. Wrekin cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
6. Installation details are available on request

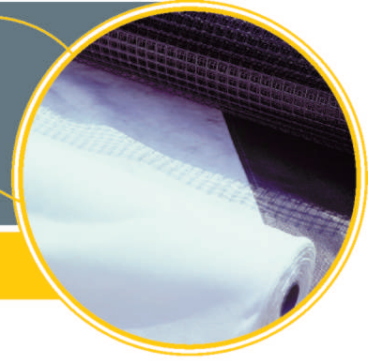


#### Other grades of geotextile within the Wrekin range include:

- Standard Grade, Highflow & Highstrength Woven fabrics and Thermally Bonded Nonwovens

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# MULTITRACK SNW RANGE

## Superior Needle Punched Nonwoven Geotextiles

## Technical Data Sheet 2/2

Mechanical Properties	Test	Units	50	55	62	70	80	90	100
Tensile Strength - MD	EN ISO 10319	kN/m	28	31	35	40	44	50	54
Tensile Strength - XD	EN ISO 10319	kN/m	30	34	39	44	49	54	58
Elongation at break - MD	EN ISO 10319	%	55	60	60	60	60	65	65
Elongation at break - XD	EN ISO 10319	%	60	60	60	60	60	65	65
CBR Puncture Resistance	EN ISO 12236	N	5000	5500	6200	7000	8000	9000	10000
Dynamic Cone Drop	EN 918	mm	5	4	3.5	3	3	2	1
Protection Efficiency	WI 189066	N	500	550	598	705	810	898	997

Hydraulic Properties	Test	Units	50	55	62	70	80	90	100
Permeability	EN ISO 11058	m/s	65x10 <sup>-3</sup>	60x10 <sup>-3</sup>	55x10 <sup>-3</sup>	50x10 <sup>-3</sup>	45x10 <sup>-3</sup>	30x10 <sup>-3</sup>	20x10 <sup>-3</sup>
Waterflow normal to the plane	EN ISO 11058	l/m <sup>2</sup> .s	65	60	55	50	45	30	20
Waterflow in the plane	EN ISO 12958	m <sup>2</sup> /s	8,5x10 <sup>-6</sup>	8,5x10 <sup>-6</sup>	8,5x10 <sup>-6</sup>	8,5x10 <sup>-6</sup>	8,5x10 <sup>-6</sup>	8,5x10 <sup>-6</sup>	8,5x10 <sup>-6</sup>
Characteristic Opening Size	EN ISO 12956	µm	< 70	< 70	< 70	< 70	< 70	< 70	< 70

Physical Properties	Test	Units	50	55	62	70	80	90	100
Thickness under 2 kPa	EN 964/1	mm	3	3.2	3.3	3.7	4.4	5	5.2
Weight	EN 965	g/m <sup>2</sup>	400	460	500	565	650	750	800
Roll width		cm	525	525	525	525	525	525	525
Roll length		m	50	50	50	50	50	50	50
Full load volume (+/- 10%)		m <sup>2</sup>	17 325	14 700	13 650	12 075	10 500	7 875	7 875
Roll diameter (+/- 10%)		cm	44	48	50	54	58	60	63

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