

# MULTITRACK SNW RANGE

Superior Needle Punched Nonwoven Geotextiles

Technical Data Sheet 1/2

Mechanical Properties	Test	Units	14	17	25	31	40UV	46	50	55
Tensile Strength - MD	EN ISO 10319	kN/m	8.0	10.3	14.0	17.8	22.0	27.0	30.0	33.5
Tensile Strength - XD	EN ISO 10319	kN/m	8.0	10.3	14.0	17.8	22.0	27.0	30.0	33.5
Elongation at break - MD	EN ISO 10319	%	40.0	45.0	45.0	50.0	50.0	55.0	55.0	60.0
Elongation at break - XD	EN ISO 10319	%	55.0	55.0	55.0	55.0	55.0	60.0	60.0	65.0
CBR Puncture Resistance	EN ISO 12236	N	1400	1700	2500	3100	4000	4600	5000	5500
Dynamic Cone Drop	EN ISO 13433	mm	24.0	22.0	18.0	13.0	12.0	10.0	9.0	8.0
Pyramid Puncture	EN ISO 14574	N	85.0	120.0	200.0	240.0	300.0	385.0	400.0	450.0

Hydraulic Properties	Test	Units	14	17	25	31	40UV	46	50	55
Permeability	EN ISO 11058	m/s	110x10 <sup>-3</sup>	100x10 <sup>-3</sup>	90x10 <sup>-3</sup>	80x10 <sup>-3</sup>	75x10 <sup>-3</sup>	65x10 <sup>-3</sup>	60x10 <sup>-3</sup>	50x10 <sup>-3</sup>
Waterflow normal to the plane	EN ISO 11058	l/m <sup>2</sup> .s	110	100	90	80	75	65	60	50
Waterflow in the plane 20kPa	EN ISO 12958	m <sup>2</sup> /s	1x10 <sup>-7</sup>	1x10 <sup>-7</sup>	1x10 <sup>-6</sup>	2x10 <sup>-6</sup>	3x10 <sup>-6</sup>	5x10 <sup>-6</sup>	6x10 <sup>-6</sup>	6x10 <sup>-6</sup>
Characteristic Opening Size	EN ISO 12956	µm	120.0	110.0	80.0	70.0	70.0	70.0	70	70

Physical Properties	Test	Units	14	17	25	31	40UV	46	50	55
Thickness under 2 kPa	EN ISO 9863-1	mm	1.2	1.5	1.8	2.2	2.4	2.8	3.0	3.2
Weight	EN ISO 9864	g/m <sup>2</sup>	120.0	150.0	200.0	250.0	300.0	370.0	400.0	450.0
Roll width		cm	525	525	500	525	525	525	525	525
Roll length		m	100	100	100	100	100	100/50	50	75
Full load volume (+/- 10%)		m <sup>2</sup>	57 750	44 625	34 125	27 200	22 500	18 000	17 325	14 700
Roll diameter (+/- 10%)		cm	35	38	45	45	54	60/42	44	58

#### 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

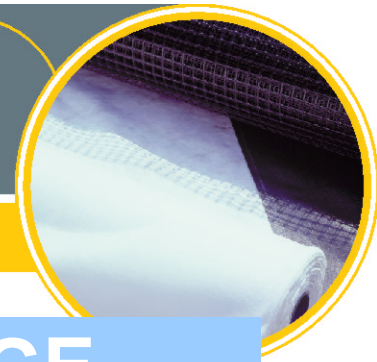
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# MULTITRACK SNW RANGE

### Superior Needle Punched Nonwoven Geotextiles

### Technical Data Sheet 2/2

Mechanical Properties	Test	Units	62	70	75	80	85	90	100	120	140
Tensile Strength - MD	EN ISO 10319	kN/m	37.0	42.0	43.0	45.0	50.0	54.0	58.0	70.0	84.0
Tensile Strength - XD	EN ISO 10319	kN/m	37.0	42.0	43.0	45.0	50.0	54.0	58.0	70.0	84.0
Elongation at break - MD	EN ISO 10319	%	60.0	65.0	65.0	65.0	65.0	65.0	65.0	70.0	70.0
Elongation at break - XD	EN ISO 10319	%	65.0	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0
CBR Puncture Resistance	EN ISO 12236	N	6200	7000	7400	8000	8500	9000	10000	11500	14000
Dynamic Cone Drop	EN ISO 13433	mm	7.0	5.0	5.0	4.0	4.0	2.0	1.0	0.0	0.0
Pyramid Puncture	EN ISO 14574	N	500.0	600.0	700.0	750.0	810.0	850.0	1000.0	1250.0	1600.0

Hydraulic Properties	Test	Units	62	70	75	80	85	90	100	120	140
Permeability	EN ISO 11058	m/s	45x10 <sup>-3</sup>	42x10 <sup>-3</sup>	42x10 <sup>-3</sup>	40x10 <sup>-3</sup>	35x10 <sup>-3</sup>	35x10 <sup>-3</sup>	30x10 <sup>-3</sup>	30x10 <sup>-3</sup>	25x10 <sup>-3</sup>
Waterflow normal to the plane	EN ISO 11058	l/m <sup>2</sup> .s	45	42	42	40	35	35	30	30	25
Waterflow in the plane 20kPa	EN ISO 12958	m <sup>2</sup> /s	6,5x10 <sup>-6</sup>	7x10 <sup>-6</sup>	7x10 <sup>-6</sup>	6x10 <sup>-6</sup>	8,5x10 <sup>-6</sup>	7x10 <sup>-6</sup>	8x10 <sup>-6</sup>	8,5x10 <sup>-6</sup>	9x10 <sup>-6</sup>
Characteristic Opening Size	EN ISO 12956	µm	63.0	63.0	70.0	63.0	63.0	63.0	49.0	49.0	49.0

Physical Properties	Test	Units	62	70	75	80	85	90	100	120	140
Thickness under 2 kPa	EN ISO 9863-1	mm	3.5	3.8	4.0	4.4	4.6	5.0	5.2	6.0	7.0
Weight	EN ISO 9864	g/m <sup>2</sup>	500.0	565.0	600.0	650.0	700.0	750.0	800.0	1000.0	1200.0
Roll width		cm	525	525	525	525	525	525	525	525	525
Roll length		m	50	60	55	55	50	50	50	35	35
Full load volume (+/- 10%)		m <sup>2</sup>	14 700	13 860	12 994	12 416	10 500	10 500	10 500	8 085	6 614
Roll diameter (+/- 10%)		cm	48	56	55	57	58	58	60	57	62

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