

MULTITRACK VNW RANGE

Coloured Needle Punched Nonwoven Geotextiles

Technical Data Sheet

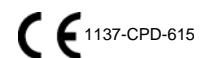
Mechanical Properties	Test	Units	200	300	400	450	500	600	700	800	1000	1200	1800	2000
Tensile Strength - MD	EN ISO 10319	kN/m	6.6	10.0	14.0	15.5	17.5	20.0	24.5	28.0	33.0	39.0	60.0	76.0
Tensile Strength - XD	EN ISO 10319	kN/m	11.0	18.0	24.0	27.0	30.0	36.0	42.0	48.0	63.0	75.0	117.0	100.0
Elongation at break - MD	EN ISO 10319	%	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	100.0
Elongation at break - XD	EN ISO 10319	%	110.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CBR Puncture Resistance	EN ISO 12236	N	1 300	1 800	2 700	3 000	3 400	3 900	4 900	5 500	7 000	8 700	14 000	15 000
Dynamic Cone Drop	EN ISO 13433	mm	20.0	12.0	7.0	5.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
Pyramid Puncture	EN ISO 14574	N	130.0	240.0	275.0	300.0	325.0	375.0	400.0	450.0	480.0	575.0	720.0	800.0

Hydraulic Properties	Test	Units	200	300	400	450	500	600	700	800	1000	1200	1800	2000
Permeability	EN ISO 11058	m/s	95x10 ⁻³	80x10 ⁻³	70x10 ⁻³	65x10 ⁻³	60x10 ⁻³	50x10 ⁻³	40x10 ⁻³	35x10 ⁻³	30x10 ⁻³	25x10 ⁻³	15x10 ⁻³	10x10 ⁻³
Waterflow normal to the plane	EN ISO 11058	l/m ² .s	95.0	80.0	70.0	65.0	60.0	50.0	40.0	35.0	30.0	25.0	15.0	10.0
Waterflow in the plane	EN ISO 12958	m ² /s	1x10 ⁻⁶	1x10 ⁻⁶	2x10 ⁻⁶	2x10 ⁻⁶	3x10 ⁻⁶	4x10 ⁻⁶	5x10 ⁻⁶	6x10 ⁻⁶	7x10 ⁻⁶	8x10 ⁻⁶	9x10 ⁻⁶	1x10 ⁻⁵
Characteristic Opening Size	EN ISO 12956	µm	130.0	125.0	120.0	120.0	115.0	105.0	100.0	90.0	85.0	80.0	70.0	65.0

Physical Properties	Test	Units	200	300	400	450	500	600	700	800	1000	1200	1800	2000
Thickness under 2 kPa	EN ISO 9863-1	mm	2.50	3.00	3.60	3.80	4.50	5.00	6.00	6.70	7.70	8.00	11.50	12.00
Weight	EN ISO 9864	g/m ²	200.0	300.0	400.0	450.0	500.0	600.0	700.0	800.0	1000.0	1200.0	1800.0	2000.0
Roll width		cm	525	525	525	525	525	525	525	525	525	525	525	390
Roll length		m	100	100	50 / 100	50 / 100	50 / 100	50 / 100	50	50	50	50	30	25
Full load volume (+/- 10%)		m ²	26 000	18 000	14 000	12 000	11 000	10 000	6 500	6 500	6 000	4 500	3 000	4 680
Roll diameter (+/- 10%)		cm	57	62	50 / 65	54 / 70	59 / 75	58 / 78	61	62	68	72	62	73

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 VNW 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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tel: 01283 222042

www.wrekinproducts.com

fax: 01283 223665