

SPECIFICATION SHEET

MULTITRACK NW RANGE

Thermally Bonded Nonwoven Geotextiles

Technical Data Sheet 1/2

Mechanical Properties	Test	Units	NW6	NW7	NW8	NW9	NW10	NW12	NW13	NW15	NW16	NW18
Tensile Strength - MD	EN ISO 10319	kN/m	6.0	7.0	8.0	9.0	10.0	12.0	13.0	15.0	16.0	18.0
Tensile Strength - XD	EN ISO 10319	kN/m	6.0	7.0	8.0	9.0	10.0	12.0	13.0	15.0	16.0	18.0
Elongation at break - MD	EN ISO 10319	%	40.0	40.0	40.0	40.0	40.0	45.0	45.0	45.0	45.0	50.0
Elongation at break - XD	EN ISO 10319	%	40.0	45.0	45.0	45.0	45.0	50.0	50.0	50.0	50.0	50.0
CBR Puncture Resistance	EN ISO 12236	N	890	1 200	1 500	1 500	1 600	1 780	2 200	2 500	2 400	3 000
Dynamic Cone Drop	EN ISO 13433	mm	40.0	37.0	34.0	30.0	28.0	24.0	21.5	20.0	19.0	16.5

Hydraulic Properties	Test	Units	NW6	NW7	NW8	NW9	NW10	NW12	NW13	NW15	NW16	NW18
Permeability	EN ISO 11058	m/s	120×10^{-3}	115×10^{-3}	110×10^{-3}	108×10^{-3}	106×10^{-3}	105×10^{-3}	105×10^{-3}	90×10^{-3}	85×10^{-3}	75×10^{-3}
Waterflow normal to the plane	EN ISO 11058	l/m ² .s	120	115	110	108	106	105	105	90	85	75
Waterflow in the plane	EN ISO 12958	m ² /s	1×10^{-7}	1×10^{-7}	1×10^{-7}	2×10^{-7}	2×10^{-7}	2×10^{-7}	3×10^{-7}	3×10^{-7}	1×10^{-6}	3×10^{-6}
Characteristic Opening Size	EN ISO 12956	µm	140.0	135.0	130.0	115.0	110.0	110.0	100.0	90.0	85.0	80.0

Physical Properties	Test	Units	NW6	NW7	NW8	NW9	NW10	NW12	NW13	NW15	NW16	NW18
Thickness under 2 kPa	EN ISO 9863-1	mm	0.80	0.90	1.00	1.10	1.15	1.30	1.40	1.20	1.25	1.30
Weight	EN ISO 9864	g/m ²	80.0	85.0	100.0	110.0	120.0	145.0	160.0	180.0	200.0	215.0
Roll width		cm	525	525	525	525	525	525	525	525	525	525
Roll length		m	100	100	100	100	100	100	100	100	100	100
Full load volume (+/- 10%)		m ²	94 500	86 625	70 875	68 250	65 625	47 250	45 675	47 250	43 050	43 050
Roll diameter (+/- 10%)		cm	28	29	30	31	33	36	37	36	37	38

Notes relating to the use of Fibrelok geotextile products

- Fibrelok reserves the right to alter product specifications without prior notice.
- It is the responsibility of all users to satisfy themselves that the above data is current.
- 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.
- Polypropylene is the constituent polymer used in the production of the NW geotextile range.
- Fibrelok cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
- Installation details are available on request

Other grades of geotextile within the Fibrelok range include:

- Standard Grade, Highflow & Highstrength Woven fabrics and Needleponched Nonwovens.

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Mechanical Properties	Test	Units	NW20	NW21	NW25	NW26	NW32	NW40	NW45
Tensile Strength - MD	EN ISO 10319	kN/m	20.0	21.0	25.0	26.0	32.0	40.0	45.0
Tensile Strength - XD	EN ISO 10319	kN/m	20.0	21.0	25.0	26.0	32.0	40.0	45.0
Elongation at break - MD	EN ISO 10319	%	50.0	50.0	50.0	50.0	50.0	55.0	65.0
Elongation at break - XD	EN ISO 10319	%	50.0	50.0	50.0	50.0	50.0	55.0	65.0
CBR Puncture Resistance	EN ISO 12236	N	3 100	3 500	3 600	4 350	5 400	6 500	7 800
Dynamic Cone Drop	EN ISO 13433	mm	16.0	15.0	12.0	11.0	10.0	6.0	4.0
Pyramid Puncture	EN ISO 14574	N			300	352	385	617	700

Hydraulic Properties	Test	Units	NW20	NW21	NW25	NW26	NW32	NW40	NW45
Permeability	EN ISO 11058	m/s	65×10^{-3}	60×10^{-3}	55×10^{-3}	45×10^{-3}	45×10^{-3}	35×10^{-3}	25×10^{-3}
Waterflow normal to the plane	EN ISO 11058	l/m ² .s	65	60	55	45	45	35	25
Waterflow in the plane	EN ISO 12958	m ² /s	3.5×10^{-6}	4×10^{-6}	4×10^{-6}	4×10^{-6}	4×10^{-6}	4×10^{-6}	4.5×10^{-6}
Characteristic Opening Size	EN ISO 12956	µm	70.0	65.0	65.0	65.0	65.0	65.0	65.0

Physical Properties	Test	Units	NW20	NW21	NW25	NW26	NW32	NW40	NW45
Thickness under 2 kPa	EN ISO 9863-1	mm	1.40	1.50	1.60	1.80	1.90	2.50	2.96
Weight	EN ISO 9864	g/m ²	235.0	260.0	300.0	325.0	385.0	500.0	625.0
Roll width		cm	525	525	525	525	525.0	525	525
Roll length		m	100	100	100	100	100.0	100	100
Full load volume (+/- 10%)		m ²	35 175	30 450	30 450	28 875	22 050	15 750	12 600
Roll diameter (+/- 10%)		cm	42	44	46	48	53	62	66

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