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	1 000	1 200	1 400	1 500	1 600	2 000	2 150	2 500	2 700	3 000
Dynamic Cone Drop	EN 918	mm	40.0	37.0	34.0	30.0	28.0	24.0	22.0	20.0	19.0	16.0
Protection Efficiency	WI 189066	N	48.0	56.0	65.0	77.0	90.0	124.0	137.0	158.0	181.0	210.0

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 x 10-3	110×10^{-3}	110×10^{-3}	105×10^{-3}	105×10^{-3}	95×10^{-3}	90×10^{-3}	85×10^{-3}
Waterflow normal to the plane	EN ISO 11058	l/m².s	120	115	110	110	110	105	105	95	90	85
Waterflow in the plane	EN ISO 12958	m^2/s	1×10^{-7}	1×10^{-7}	1×10^{-7}	1×10^{-7}	1×10^{-7}	1×10^{-7}	1×10^{-7}	7×10^{-6}	7×10^{-6}	7×10^{-6}
Characteristic Opening Size	EN ISO 12956	µm	140.0	135.0	130.0	120.0	115.0	110.0	110.0	100.0	90.0	80.0

Physical Properties	Test	Units	NW6	NW7	NW8	NW9	NW10	NW12	NW13	NW15	NW16	NW18
Thickness under 2 kPa	EN 964/1	mm	0.80	0.90	1.00	1.10	1.20	1.30	1.40	1.45	1.55	1.60
Weight	EN 965	g/m^2	80.0	85.0	100.0	110.0	120.0	145.0	160.0	175.0	200.0	210.0
Roll width		cm	450	450	450	525	525	525	525	525	525	525
Roll length		m	100	100	100	100	100	100	100	100	100	100
Full load volume (+/- 10%)		m²	94 500	86 625	70 875	68 250	65 625	47 250	45 675	42 000	36 750	34 125
Roll diameter (+/- 10%)		cm	37	38	42	43	45	52	52	40	42	44

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Mechanical Properties	Test	Units	NW20	NW21	NW25	NW26	NW30	NW40
Tensile Strength - MD	EN ISO 10319	kN/m	20.0	21.0	25.0	26.0	30.0	40.0
Tensile Strength - XD	EN ISO 10319	kN/m	20.0	21.0	25.0	26.0	30.0	40.0
Elongation at break - MD	EN ISO 10319	%	50.0	50.0	50.0	50.0	50.0	55.0
Elongation at break - XD	EN ISO 10319	%	50.0	50.0	50.0	55.0	55.0	55.0
CBR Puncture Resistance	EN ISO 12236	N	3 400	3 500	4 000	4 350	5 100	6 500
Dynamic Cone Drop	EN 918	mm	15.0	14.0	11.0	11.0	9.0	5.0
Protection Efficiency	WI 189066	N	240	260	300	352	383	617

Hydraulic Properties	Test	Units	NW20	NW21	NW25	NW26	NW30	NW40
Permeability	EN ISO 11058	m/s	80×10^{-3}	80×10^{-3}	55×10^{-3}	50×10^{-3}	45×10^{-3}	35×10^{-3}
Waterflow normal to the plane	EN ISO 11058	l/m².s	80	80	55	50	45	35
Waterflow in the plane	EN ISO 12958	m^2/s	7×10^{-6}	7×10^{-6}	8×10^{-6}	8×10^{-6}	$8{,}5 \times 10^{-6}$	$8{,}5 \times 10^{-6}$
Characteristic Opening Size	EN ISO 12956	µm	70.0	70.0	70.0	70.0	70.0	70.0

Physical Properties	Test	Units	NW20	NW21	NW25	NW26	NW30	NW40
Thickness under 2 kPa	EN 964/1	mm	1.70	1.85	2.00	2.10	2.30	3.00
Weight	EN 965	g/m^2	235.0	260.0	300.0	325.0	360.0	520.0
Roll width		cm	525	525	525	525	525	525
Roll length		m	100	100	100	100	100	100
Full load volume (+/- 10%)		m²	29 925	28 875	24 675	23 100	19 950	13 125
Roll diameter (+/- 10%)		cm	47	48	51	52	57	70