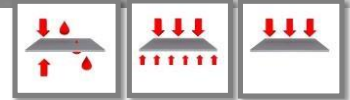


SNW

Superior Needle Punched Nonwoven Geotextiles

Technical Data Sheet 1/2

Date: 12-02-2012 rev 18



Mechanical Properties	Test	Units	SNW 14	SNW 17	SNW 25	SNW 31	SNW 35	SNW 40 UV	SNW 46	SNW 50	SNW 55
Tensile Strength - MD	EN ISO 10319	kN/m	8,0	10,3	14,0	17,8	20,0	22,0	27,0	30,0	33,5
Tensile Strength - XD	EN ISO 10319	kN/m	8,0	10,3	14,0	17,8	20,0	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	50,0	50,0	50,0	55,0
Elongation at break - XD	EN ISO 10319	%	55,0	55,0	55,0	55,0	55,0	55,0	55,0	55,0	60,0
CBR Puncture Resistance	EN ISO 12236	N	1400	1700	2500	3100	3500	4000	4600	5000	5500
Dynamic Cone Drop	EN ISO 13433	mm	28	22	18	13	12	12	10	9	7
Pyramid Puncture	EN ISO 14574	N	85,0	120,0	200,0	275,0	330,0	385,0	440,0	500,0	550,0

Hydraulic Properties	Test	Units	SNW 14	SNW 17	SNW 25	SNW 31	SNW 35	SNW 40 UV	SNW 46	SNW 50 SP	SNW 55
Permeability	EN ISO 11058	m/s	110x10 ⁻³	100x10 ⁻³	80x10 ⁻³	70x10 ⁻³	65x10 ⁻³	60x10 ⁻³	55x10 ⁻³	50x10 ⁻³	45x10 ⁻³
Waterflow normal to the plane	EN ISO 11058	l/m ² .s	110	100	80	70	65	60	55	50	45
Waterflow in the plane-20kPa	EN ISO 12958	m ² /s	1x10 ⁻⁷	1x10 ⁻⁷	1x10 ⁻⁶	2x10 ⁻⁶	2.5x10 ⁻⁶	3x10 ⁻⁶	5x10 ⁻⁶	1x10 ⁻⁵	6x10 ⁻⁶
Characteristic Opening Size	EN ISO 12956	µm	120,0	110,0	100,0	95,0	92,0	90,0	85,0	80,0	75,0

Physical Properties	Test	Units	SNW 14	SNW 17	SNW 25	SNW 31	SNW 35	SNW 40 UV	SNW 46	SNW 50 SP	SNW 55
Thickness under 2 kPa	EN ISO 9863-1	mm	1,2	1,5	1,8	2,2	2,3	2,4	2,8	3	3,2
Weight	EN ISO 9864	g/m ²	120	150	200	250	280	300	370	400	450
Roll width		cm	600	600	600	600	600	600	600	600	600
Roll length		m	100	100	100	100	100	100	100/50	50	75
Full truck load volume (+/- 10%)		m ²	57 750	44 625	34 125	27 200	24 850	22 500	18 000	17 325	14 700
Full 40ft HC container volume (+/- 10%)		m ²									
Roll diameter (+/- 10%)		cm	35	38	45	49	51	54	60/42	44	58



Durability

Natural UV light	ASTM 4533	100%
Chemical Resistance	EN 14030	100%
Oxidation Resistance	EN ISO 13438	>90%
Microbiological Resistance	EN 12225	100%
Hydrolysis	EN 12447	100 %

Product Description

Polymer	100% PP
Denisty	0,91 kg/dm ³
Melting Point	165 °C
Fiber bonding	Mechanical/Thermal

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