


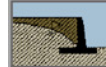
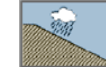
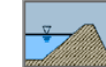
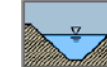
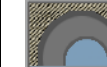




PROPERTY	STANDARD	UNIT	80NWR-100	100NWR-100	125NWR-100	150NWR-100	200NWR-100	250NWR-100	300NWR-100	350NWR-100	400NWR-100	500NWR-100	550NWR-100	600NWR-100	650NWR-100	700NWR-100	800NWR-100	850NWR-100	1000NWR-100	1200NWR-100
MECHANICAL																				
Tensile Strength (MD/CD)	EN 10319	kN/m	2/2	3/3	3.7/3.7	4.5/4.5	7/7	9/9	12/12	14/14	16/16	20/20	21/21	23/24	24/26	26/28	30/34	32/37	36/44	40/50
Tensile Elongation (MD/CD)	EN 10319	%	45/55	45/55	45/55	45.55	45/55	50/60	50/60	55/65	55/65	60/70	65/75	65/75	70/80	70/80	75/85	75/85	80/90	80/90
Resistance to static puncture	EN ISO 12236	N	450	560	700	900	1300	1625	2000	2300	2700	3500	4000	4500	5000	5500	6500	7000	8200	9000
Dynamic Perforation resistance	EN ISO 13433	mm	45	40	38	37	34	31	27	24	22	18	16	14	12	10	8	7	4	2
HYDRAULIC																				
Opening Size (O ₉₀)	EN ISO 12956	µm	130	90	90	70	70	70	60	60	60	50	50	50	50	50	50	50	50	50
Water permeability V _{I,90}	EN ISO 11058	m/sec*10 ⁻³	180	110	110	80	70	65	45	40	40	30	30	25	25	20	20	20	20	20
Water flow rate	EN ISO 11058	l/m ² /sec	180	110	110	80	70	65	45	40	40	30	30	25	25	20	20	20	20	20
ENDURANCE																				
Weathering Resistance	EN 12224	%retain	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Resistance to Liquids – Acid	EN 14030	%retain	90/90	90/90	90/90	90/90	90/90	90/90	90/90	90/90	90/90	90/90	90/90	90/90	90/90	90/90	90/90	90/90	90/90	90/90
Resistance to Liquids-Alkaline	EN 14030	%retain	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
Resistance to Hydrolysis	EN 12447	%retain	30/30	30/30	30/30	30/30	30/30	30/30	30/30	30/30	30/30	30/30	30/30	30/30	30/30	30/30	30/30	30/30	30/30	30/30
Resistance to Soil Burial	EN 12225	%retain	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PHYSICAL																				
Mass/Unit Area	EN 9864	gr/m ²	80	100	125	150	200	250	300	350	400	500	550	600	650	700	800	850	1000	1200
Thickness (2kPa)	EN 9863-1	mm	0.8	0.9	1.0	1.1	1.3	1.6	1.9	2.0	2.2	2.7	3.0	3.3	3.7	4.0	4.5	4.7	5.5	6.0
STANDARD PACKING																				
Roll Width / Length	Measured	m	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
Roll Width / Length	Measured	m	100	100	100	100	100	100	100	100	75	50	50	50	50	40	40	40	35	30

Applications and intended uses of the needle punched non woven Geotextile										
	EN 13249	EN 13250	EN 13251	EN 13252	EN 13253	EN 13254	EN 13255	EN 13256	EN 13257	EN 13265
	F	F	F	F	F	F	F		F	F
	F+S	F+S	F+S	D	F+S	F+S	F+S		F+S	
				F+S						
				F+S						
				F+S+D						
				F+S+D						



Notified Body

NOTES:

- THRACE NWS&GEOs S.A. Technical Fabrics reserve the right to alter product specifications at any time without prior notice. It is the responsibility of all users to satisfy themselves that the above data are current.
- The geotextiles listed are CE marked and they come along with a CE certificate after a customer request.
- Recycled Polyester is the constituent polymer used in the production of the NWR geotextiles series.
- To be covered within one day after installation. The above geotextile is predicted to be durable for up to 5 years in soil temperatures <25°C and in natural soils with 4<pH<9.
- F = Filtration, S = Separation, D = Drainage

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