




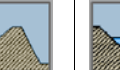
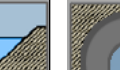
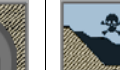




PROPERTY	STANDARD	UNIT	90CNW	100CNW	120CNW	150CNW	170CNW	200CNW	250CNW	285CNW	300CNW	350CNW	400CNW	450CNW	500CNW	600CNW	700CNW	800CNW	900CNW	1000CNW	1100CNW	1200CNW
<b>MECHANICAL</b>																						
Tensile Strength (MD/CD)	EN 10319	kn/m	4.5/4.5	5/5	5.8/5.8	7/7	7.8/7.8	11/11	13/15	14.4/16.4	15/17	17/19	19/21	21/24	24/28	27/40	30/50	33/60	35/70	40/80	45/85	50/90
Tensile Elongation (MD/CD)	EN 10319	%	39/39	40/40	42/42	45/45	43/47	50/50	55/55	57/60	65/65	65/65	75/75	75/75	75/75	75/75	75/75	75/75	75/75	75/75	75/75	75/75
Resistance to static puncture	EN ISO 12236	N	588	900	1175	1500	1765	2100	2500	2940	3000	3500	4000	4500	5000	5500	6000	7000	8000	9000	10000	11000
Dynamic Perforation resistance	EN ISO 13433	mm	40	38	34	28	27	24	20	17.5	16	13	11	9	8	7	2	0	0	0	0	0
Pyramid puncture resistance	EN 14574	N	-	-	-	-	-	-	-	-	-	-	380	-	-	-	-	-	-	-	-	-
<b>HYDRAULIC</b>																						
Opening Size (O <sub>90</sub> )	EN ISO 12956	µm	114	130	90	90	80	70	70	70	70	60	60	60	60	50	50	50	50	50	50	50
Water permeability V <sub>150</sub>	EN ISO 11058	mm/sec	137	180	110	110	90	80	70	67	65	45	40	40	35	30	30	25	25	20	20	20
Water flow rate	EN ISO 11058	(l/m <sup>2</sup> -sec)	137	180	110	110	90	80	70	67	65	45	40	40	35	30	30	25	25	20	20	20
<b>ENDURANCE</b>																						
Weathering Resistance	EN 12224	%retain	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
Resistance to Liquids – Acid	EN 14030	%retain	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
Resistance to Liquids – Alkaline	EN 14030	%retain	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
Oxidation Resistance	EN ISO 13438	%retain	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
Resistance to Soil Burial	EN 12225	%retain	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
Long Term Protection Efficiency 300/600/1200kPa	EN 13719	-	-	-	-	-	-	-	-	-	-	-	0.016/0.03/0.055	-	-	-	-	-	-	-	-	-
<b>PHYSICAL</b>																						
Mass/Unit Area	EN 9864	gr/m <sup>2</sup>	90	100	120	150	170	200	250	285	300	350	400	450	500	600	700	800	900	1000	1100	1200
Thickness (2kPa)	EN 9863-1	mm	0.75	0.9	1.0	1.2	1.25	1.5	1.7	1.9	2.0	2.4	2.9	3.4	3.9	4.3	4.8	5.2	5.6	6.0	6.2	6.4
<b>STANDARD PACKING</b>																						
Roll Width	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	5.4/40	5.4	5.4	5.4	5.4
Roll Length	Measured	m	100	100	100	100	100	100	100	100	100	75	75	50	50	50	40	40	40	40	30	30

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

**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.
- Polypropylene is the constituent polymer used in the production of the C NW geotextiles series.
- To be covered within one month after installation. The above geotextile is predicted to be durable for up to 50 years in soil temperatures >25°C and are resistant to highly acid and alkaline environments on the basis of a durability assessment.
- F = Filtration, R = Reinforcement, S = Separation, D = Drainage, P = Protection
- Roll size may vary depending on type and customer request

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