


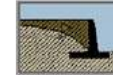

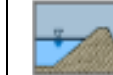
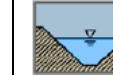
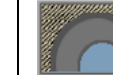




PROPERTY	STANDARD	UNIT	VALUE	S8NW	S10NW	S12NW	S14NW	S16NW	S18NW	S20NW	S22NW	S25NW	S30NW
<b>MECHANICAL</b>													
Tensile Strength (MD/CD)	EN 10319	kN/m	Average	8/8	10/10	12/12	14/14	16/16	18/18	20/20	22/22	25/25	30/30
Tensile Elongation (MD/CD)	EN 10319	%	Average	45/45	45/45	45/45	50/50	50/50	50/50	55/55	55/55	65/65	65/65
Resistance to static puncture	EN ISO 12236	N	Average	1500	1800	2100	2400	2700	3000	3500	3800	4400	5000
Dynamic Perforation resistance	EN ISO 13433	mm	Average	36	28	26	23	22	18	17	15	13	10
<b>HYDRAULIC</b>													
Characteristic Opening Size (O <sub>90</sub> )	EN ISO 12956	µm	Average	100	90	90	80	80	70	70	70	70	60
Water permeability V <sub>IH50</sub>	EN ISO 11058	m/sec*10 <sup>-3</sup>	Average	130	120	110	90	90	80	70	70	65	45
Water flow rate	EN ISO 11058	l/m <sup>2</sup> /sec	Average	130	120	110	90	90	80	70	70	65	45
Water flow capacity in the plane (MD/CD)	HG 1.0 at 20kPa	l/m/sec	Average	3.6/3.1	2.1/2.2	3.5/3.5	-	4.9/3.8	4.8/5.5	-	5.3/4.7	3.0/4.2	3.1/2.0
	HG 1.0 at 100kPa			2.1/2.1	0.6/0.6	1.3/1.3	-	1.7/1.2	2.3/2.8	-	2.6/2.7	1.6/2.3	1.4/0.8
	HG 1.0 at 200kPa			1.2/1.1	0.2/0.3	0.6/0.5	-	0.6/0.6	1.0/1.6	-	1.4/1.8	0.9/1.3	0.7/0.5
<b>ENDURANCE</b>													
Weathering Resistance	EN 12224	%retain strength	Average	90	90	90	90	90	90	90	90	90	90
Resistance to Liquids – Acid	EN 14030	%retain strength	Average	90	90	90	90	90	90	90	90	90	90
Resistance to Liquids – Alkaline	EN 14030	%retain strength	Average	90	90	90	90	90	90	90	90	90	90
Oxidation Resistance	EN ISO 13438	%retain strength	Average	90	90	90	90	90	90	90	90	90	90
Resistance to Soil Burial	EN 12225	%retain strength	Average	90	90	90	90	90	90	90	90	90	90
<b>PHYSICAL</b>													
Mass/Unit Area	EN 9864	gr/m <sup>2</sup>	Average	100	120	140	160	180	200	250	270	300	380
Thickness (2kPa)	EN 9863-1	mm	Average	0.8	1.0	1.1	1.2	1.3	1.4	1.6	1.8	2.0	2.5
<b>STANDARD PACKING</b>													
Roll Width	Measured	m	Typical	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
Roll Length	Measured	m	Typical	100	100	100	100	100	100	100	100	100	75

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, R	F, R	F, R	F, D	F, R	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		F+S	
	R+S	R+S	R+S	F+D	R+S	R+S	R+S	R+S		R+S	
	F+R	F+R	F+R		F+R	F+R	F+R	F+R		F+R	F+R
F+R+S	F+R+S	F+R+S	F+S+D	F+R+S	F+R+S	F+R+S	F+R+S		F+R+S		

**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 S NW geotextiles series.
- To be covered within one month after installation. The above geotextile is predicted to be durable for more than 25 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

The information contained herein is furnished without charge or obligation and the recipient assumes all the responsibility for its use. Because conditions for use and handling may vary and are beyond our control, THRACE NWs&GEOs S.A. makes no representation about, and is not responsible or liable for, the accuracy or reliability of said information or performance of any product. Any specification, properties or applications listed herein are provided as information only in no way modify, amend, enlarge or create any warranty. Nothing contained herein is to be construed as permission or as any recommendation to infringe any patent.



Certificate No: 0338-CPD-392



Notified Body

