
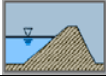
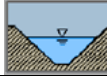
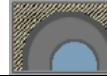




Needle Punched Non Woven Geotextiles

CNW series Technical Table (Average Values)

PROPERTY	STANDARD	UNIT	100CNW	150CNW	200CNW	250CNW	300CNW	350CNW	400CNW	450CNW	500CNW	600CNW	700CNW	800CNW	900CNW	1000CNW	1100CNW	1200CNW	
MECHANICAL																			
Tensile Strength (MD/CD)	EN 10319	kN/m	5/5	7/7	11/11	13/15	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	%	40/40	45/45	50/50	55/55	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	900	1500	2100	2500	3000	3500	4000	4500	5000	5500	6000	7000	8000	9000	10000	11000	
Dynamic Perforation resistance	EN ISO 13433	mm	38	28	24	20	16	13	11	9	8	7	2	0	0	0	0	0	
HYDRAULIC																			
Opening Size (O ₉₀)	EN ISO 12956	µm	130	90	70	70	70	60	60	60	60	50	50	50	50	50	50	50	
Water permeability V _{L150}	EN ISO 11058	m/sec*10 ⁻³	180	110	80	70	65	45	40	40	35	30	30	25	25	20	20	20	
Water flow rate	EN ISO 11058	l/m ² /sec	180	110	80	70	65	45	40	40	35	30	30	25	25	20	20	20	
ENDURANCE																			
Weathering Resistance	EN 12224	%retain	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	
Resistance to Liquids – Alkaline	EN 14030	%retain	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	
Resistance to Soil Burial	EN 12225	%retain	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	
PHYSICAL																			
Mass/Unit Area	EN 9864	gr/m ²	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1100	1200	
Thickness (2kPa)	EN 9863-1	mm	0.9	1.2	1.5	1.7	2.0	2.4	2.9	3.4	3.9	4.3	4.8	5.2	5.6	6.0	6.2	6.4	
STANDARD PACKING																			
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	5.4/40	5.4	5.4	5.4	5.4	
Roll Length	Measured	m	100	100	100	100	100	75	75	50	50	50	40	40	40	40	30	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, 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	



Certificate No: 0338-CPD-0686



Notified Body

NOTES:

1. 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.
2. The geotextiles listed are CE marked and they come along with a CE certificate after a customer request.
3. Polypropylene is the constituent polymer used in the production of the C NW geotextiles series.
4. 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.
5. F = Filtration, R = Reinforcement, S = Separation, D = Drainage, P = Protection

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