

Technical Data Sheet



100CNW

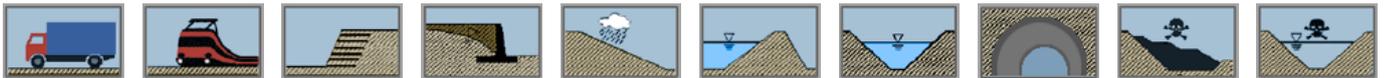


Certificate No: 0338-CPR-0686

Notified Body

100CNW is a UV stabilized polypropylene needle punched colored non-woven geotextile. It is manufactured at one of Thrace Nonwovens & Geosynthetics S.A. facilities that have achieved **ISO 9001:2008** certification for its systematic approach to quality. The construction of the geotextile makes **100CNW** ideal for the following applications.

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

It is resistant to commonly encountered soil chemicals, mildew and insects and is non-biodegradable. **100CNW** conforms to the property values listed below. Technical data are based on statistical analysis on 95% confidence limit.

PROPERTY	TEST METHOD	VALUE	METRIC UNITS	TOLERANCE
MECHANICAL				
Tensile Strength (MD/CD)	EN 10319	Average	kN/m	5.0/5.0
Elongation (MD/CD)	EN 10319	Average	%	40/40
Resistance to static puncture	EN ISO 12236	Average	N	900
Dynamic Perforation resistance	EN ISO 13433	Average	mm	38
HYDRAULIC				
Characteristic Opening Size (O_{90})	EN ISO 12956	Average	μm	130
Water permeability V_{H50}	EN ISO 11058	Average	mm/sec	180
Water flow rate	EN ISO 11058	Average	$\text{l}/(\text{m}^2\cdot\text{sec})$	180
PHYSICAL				
Mass/Unit Area	EN 9864	Average	gr/m^2	100
Thickness (2kPa)	EN 9863-1	Average	mm	0.9
STANDARD PACKAGING				
Roll Width/ Length	Measured	Typical	m	6.0/100

NOTES:

- Thrace Nonwovens & Geosynthetics S.A. Technical Fabrics reserves 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.
- To be covered within two weeks after installation. The above geotextile is predicted to be durable for up to 100 years in soil temperatures $<25^\circ\text{C}$ and are highly resistant to acid and alkaline environments on the basis of a durability assessment.
- F = Filtration, R = Reinforcement, S = Separation, D = Drainage

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