THRACE GROUP
A WORLD OF MATERIALS & SOLUTIONS

Technical Data Sheet

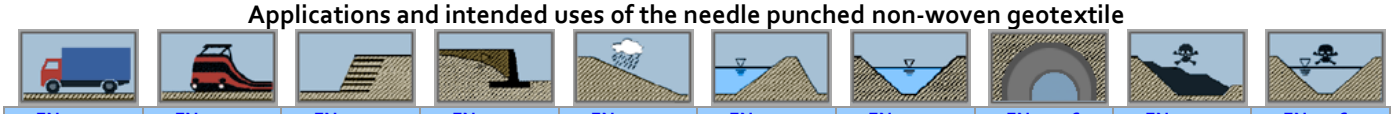
CE
Certificate No:0338-CPR-0689

S8NW/PB1000

CERTIFICATION SERVICES
BTTG
Notified Body

S8NW/ PB1000 is a UV stabilized polypropylene needle punched nonwoven 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 as well as **ISO 14001:2004** for its safe environmental practices. The construction of the geotextile makes **S8NW / PB1000** 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+S	F+S	F+S	F+S	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. **S8NW / PB1000** conforms to the property values listed below. Technical data are based on statistical analysis on 95% confidence limit.

PROPERTY		TEST METHOD	VALUE		
MECHANICAL					
Tensile Strength (MD/CD)		EN ISO 10319	Average	kN/m	8.0/8.0
Elongation (MD/CD)		EN ISO 10319	Average	%	45/45
Resistance to static puncture		EN ISO 12236	Average	N	1500
Dynamic Perforation resistance		EN ISO 13433	Average	mm	36
HYDRAULIC					
Characteristic Opening Size (O_{90})		EN ISO 12956	Average	µm	100
Water flow velocity V_{H50}		EN ISO 11058	Average	mm/sec	130
Water flow rate		EN ISO 11058	Average	l/(m²·sec)	130
Water flow capacity in the plane (MD/CD)	HG 1.0 at 20kPa	EN ISO 12958	Average	l/m/sec*10⁻⁴	37/25
	HG 1.0 at 100kPa				2.2/3.8
	HG 1.0 at 200kPa				1.7/1.3
PHYSICAL					
Mass/Unit Area		EN 9864	Average	gr/m²	100
Thickness (2kPa)		EN 9863-1	Average	mm	0.8
STANDARD PACKAGING					
Roll Width/ Length		Measured	Typical	m	4.5 /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.
- 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 two weeks after installation. Predicted to be durable for up to 100 years in natural soils with 4≤pH≤9 and soil temperatures ≤25oC and is highly resistant to acidic and alkaline environments, based on a durability assessment (EN ISO 13438, procedure A, mod., 28d in water at 80°C followed by 112d in air at 100°C).
- F = Filtration, R = Reinforcement, S = Separation, D = Drainage
- Roll size may vary according to type and customer request.