

# Technical Data Sheet



1071-CPR-7027

## S8NW

**S8NW** 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** certification for its systematic approach to quality as well as **ISO 14001** for its safe environmental practices. The construction of the geotextile makes **S8NW** ideal for the following applications.

Application and Intended uses:

Intended use	roads and other trafficked areas	railways	earthworks, foundations and retaining structures	drainage control	erosion control	reservoirs and dams	canals	solid waste disposal	liquid waste containments
<b>Technical Specification</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 13257</b>	<b>EN 13265</b>
<b>Function</b>	F,S,R	F,S,R	F,S,R	F,S	F,S,R	F,S,R	F,S,R	F,S,R	F,R

F = Filtration, S = Separation, R = Reinforcement, D = Drainage

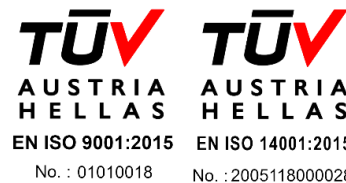
It is resistant to commonly encountered soil chemicals, mildew and insects and is non-biodegradable. **S8NW** conforms to the property values listed below. Technical data are based on statistical analysis on 95% confidence limit.

PROPERTY	TEST METHOD	VALUE	METRIC UNITS	TOLERANCE	
<b>MECHANICAL</b>					
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	
<b>HYDRAULIC</b>					
Characteristic Opening Size ( $O_{90}$ )	EN ISO 12956	Average	$\mu\text{m}$	100	
Water flow velocity $V_{H50}$	EN ISO 11058	Average	mm/sec	130	
Water flow rate	EN ISO 11058	Average	$\text{l}/(\text{m}^2\cdot\text{sec})$	130	
Water flow capacity in the plane (MD/CD)	HG 1.0 at 20kPa	EN ISO 12958	Average	$\text{l}/\text{m}^2\cdot\text{sec}\cdot 10^{-4}$	37/25
	HG 1.0 at 100kPa				2.2/3.8
	HG 1.0 at 200kPa				1.7/1.3
<b>PHYSICAL</b>					
Nominal Mass/Unit Area	EN ISO 9864	Average	$\text{gr}/\text{m}^2$	100	
Nominal Thickness (2kPa)	EN ISO 9863-1	Average	mm	0.8	
<b>STANDARD PACKAGING</b>					
Roll Width/ Length	Measured	Typical	m	6.0/100	

**NOTES - DISCLAIMER:**

Thrace Nonwovens & Geosynthetics S.A. 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 values presented are in no way guaranteed, express or imply any kind of warranty. To be covered within two weeks after installation. Predicted to be durable for up to 100 years in natural soils with  $4 \leq \text{pH} \leq 9$  and soil temperatures  $\leq 25^\circ\text{C}$  and is highly resistant to acidic and alkaline environments, based on a durability assessment (EN ISO 13438, procedure A, mod., 28d in water at  $80^\circ\text{C}$  followed by 112d in air at  $100^\circ\text{C}$ ). F = Filtration, R = Reinforcement, S = Separation, D = Drainage. Roll size may vary according to type and customer request.

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