

Geotextile white Non-Woven membrane

Product Guide



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
Technical Specification	EN 13249	EN 13250	EN 13251	EN 13252	EN 13253	EN 13254	EN 13255	EN 13257	EN 13265
Function	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
MECHANICAL						
Tensile Strength (MD/CD)		EN ISO 10319	Average	kN/m	8.0/8.0	-1.0/-1.0
Elongation (MD/CD)		EN ISO 10319	Average	%	45/45	±10/±10
Resistance to static puncture		EN ISO 12236	Average	N	1500	-225
Dynamic Perforation resistance		EN ISO 13433	Average	mm	36	+9
HYDRAULIC						
Characteristic Opening Size (O ₉₀)		EN ISO 12956	Average	µm	100	±30
Water flow velocity V ₁₅₀		EN ISO 11058	Average	mm/sec	130	-39
Water flow rate		EN ISO 11058	Average	l/(m ² ·sec)	130	-39
Water flow capacity in the plane (MD/CD)	HG 1.0 at 20kPa	EN ISO 12958	Average	l/m/sec*10 ⁻⁴	37/25	-30%
	HG 1.0 at 100kPa				2.2/3.8	-30%
	HG 1.0 at 200kPa				1.7/1.3	-30%
PHYSICAL						
Nominal Mass/Unit Area		EN ISO 9864	Average	gr/m ²	100	±10.0
Nominal Thickness (2kPa)		EN ISO 9863-1	Average	mm	0.8	±0.16
STANDARD PACKAGING						
Roll Width/ Lenath		Measured	Typical	m	6.0/100	+0.05/+2



LANDSCAPE DEPOT