

Certificate No: 1071-CPR-7027

Technical Data Sheet 100NW



100NW is a UV stabilized polypropylene needle punched non-woven 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 100NW ideal for the following applications.

Applications and intended uses of the needle punched non-woven geotextile

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 containment
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,D	F,S,R	F,S,R	F,S,R	F,S,R	F,R

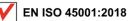
This product is resistant to commonly encountered soil chemicals, mildew and insects and is non-biodegradable. 100NW conforms to the property values listed below.

PROPERTY		TEST METHOD	UNITS	NOMINAL VALUE	TOLERANCE			
MECHANICAL								
Tensile Strength (MD/CD)		EN ISO 10319	kN/m	6.7/6.7	-0.7/-0.7			
Elongation (MD/CD)		EN ISO 10319	%	40/50	-8/-8			
Resistance to static punct	ure	EN ISO 12236	N	900	-90			
Dynamic Perforation resis	tance	EN ISO 13433	mm	35	+7			
HYDRAULIC								
Characteristic Opening Si	ze (O ₉₀)	EN ISO 12956	μm	120	±36			
Water permeability VI _{H50}		EN ISO 11058	mm/sec	100	-30			
Water flow rate		EN ISO 11058	l/(m²⋅sec)	100	-30			
\\/_4 - \(\frac{1}{2} \)	HG 1.0 at 20kPa			36.0/31.3	-30%			
Water flow capacity in the plane	HG 1.0 at 100kPa	EN ISO 12958	10 ⁻³ l/(m·sec)	20.5/20.7	-30%			
the plane	HG 1.0 at 200kPa			11.8/11.0	-30%			
PHYSICAL								
Mass/Unit Area		EN ISO 9864	gr/m²	85	±8.5			
STANDARD PACKAGING	i							
Roll Width/ Length		Measured	m	6.0/100	±5%/±2%			

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. Roll size may vary depending on type and customer request

EN ISO 50001:2018

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EN ISO 9001:2015

EN ISO 14001:2015

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