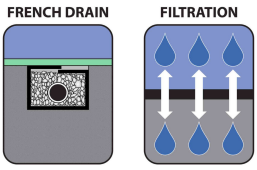
US 100NW

Nonwoven Geotextile



US 100NW is a nonwoven needlepunched geotextile made of 100% polypropylene staple filaments. US 100NW resists ultraviolet and biological deterioration, rotting, naturally encountered chemicals, alkalis and acids. Polypropylene is stable within a pH range of 2 to 13. US 100NW meets the following M.A.R.V. values except where noted:

PROPERTY	TEST METHOD	ENGLISH	METRIC
Weight Typical	ASTM D-5261	4 oz/y²	135.6 g/m²
Grab Tensile Strength	ASTM D-4632	100 lbs	445 N
Elongation @ Break	ASTM D-4632	50 %	50 %
Mullen Burst(3)	ASTM D-3786	210 psi	1,448 kPa
Pin Puncture(3)	ASTM D-4833	65 lbs	289 N
CBR Puncture	ASTM D-6241	300 lbs	1,335 N
Trapezoidal Tear	ASTM D-4533	45 lbs	200 N
Apparent Opening Size(1,2)	ASTM D-4751	70 US Sieve	0.21 mm
Permittivity(1)	ASTM D-4491	2 Sec^{-1}	2 Sec^{-1}
Water Flow Rate(1)	ASTM D-4491	140 g/min/f²	5,689 L/min/m²
UV Resistance @ 500 Hours	ASTM D-4355	70 %	70 %

(1) At the time of manufacturing. Handling, storage, and shipping may change these properties.
(2) Maximum average roll value (MaxARV).
(3) Historical reference values. These properties are no longer recognized by ASTM or AASHTO for geosynthetics.

US 100NW Shipping & Packaging Information

SIZE	DIAMETER	WIDTH	WEIGHT	AREA	ROLLS PER TRAILER
12.5' x 360'	13"	12.5'	166 lbs	500 y²	260
15' x 360'	13"	15'	192 lbs	600 y²	198

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