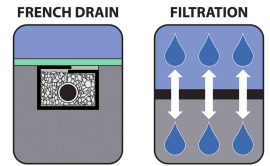




US 100NW

Nonwoven Geotextile



NTPEP APPROVED - GTX-2019-01-294. US 100NW is a nonwoven needlepunched geotextile made of 100% polypropylene staple filaments. US 100NW resists ultraviolet and biological deterioration, rotting, naturally encountered basics 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/y ²	135.6 g/m ²
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/f ²	5,689 L/min/m ²
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⁽³⁾ Historical reference values.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 y ²	260
15' x 360'	13"	15'	192 lbs	600 y ²	198

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