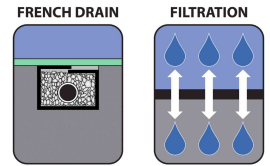




US 90NW

Nonwoven Geotextiles



NTPEP APPROVED - GTX-2019-01-293. US 90NW is a nonwoven needlepunched geotextile made of 100% polypropylene staple filaments. US 90NW resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. US 90NW meets the following M.A.R.V. values except where noted:



PROPERTY	TEST METHOD	ENGLISH	METRIC
Weight Typical	ASTM D-5261	3.5 oz/y ²	118.65 g/m ²
Grab Tensile Strength	ASTM D-4632	90 lbs	401 N
Elongation @ Break	ASTM D-4632	50 %	50 %
Mullen Burst ⁽³⁾	ASTM D-3786	185 psi	1,275 kPa
Pin Puncture ⁽³⁾	ASTM D-4833	55 lbs	245 N
CBR Puncture	ASTM D-6241	265 lbs	1,179 N
Trapezoidal Tear	ASTM D-4533	40 lbs	178 N
Apparent Opening Size ^(1,2)	ASTM D-4751	50 US Sieve	0.297 mm
Permittivity ⁽¹⁾	ASTM D-4491	2 Sec ⁻¹	2 Sec ⁻¹
Water Flow Rate ⁽¹⁾	ASTM D-4491	150 g/min/f ²	6,112 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⁽³⁾ Historical reference values.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 90NW Shipping & Packaging Information

SIZE	DIAMETER	WIDTH	WEIGHT	AREA	ROLLS PER TRAILER
12.5' x 360'	12"	12.5'	150 lbs	500 y ²	260
15' x 360'	12"	15'	175 lbs	n/a	210

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