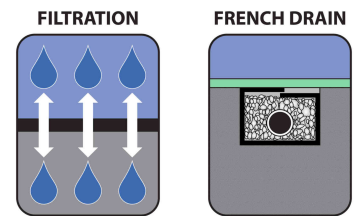




Construction Geosynthetics



## US 90NW

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	3.50 oz/y <sup>2</sup>	119 g/m <sup>2</sup>
Tensile Strength	ASTM D-4632	90 lbs	401 N
Elongation @ Break	ASTM D-4632	50%	50%
Mullen Burst <sup>(3)</sup>	ASTM D-3786	185 psi	1,275 kPa
Puncture Strength <sup>(3)</sup>	ASTM D-4833	55 lbs	245 N
CBR Puncture	ASTM D-6241	250 lbs	1,113 N
Trapezoidal Tear	ASTM D-4533	40 lbs	178 N
Apparent Opening Size <sup>(1,2)</sup>	ASTM D-4751	50 US Sieve	0.30 mm
Permittivity <sup>(1)</sup>	ASTM D-4491	2.00 Sec <sup>-1</sup>	2.00 Sec <sup>-1</sup>
Water Flow Rate <sup>(1)</sup>	ASTM D-4491	145 g/min/f <sup>2</sup>	5,908 l/min/m <sup>2</sup>
UV Resistance @ 500 Hours	ASTM D-4355	70%	70%

Roll Size	Roll Diameter	Area	Weight
12.5' x 360'	12.0 in	500 sys	150 lbs
15' x 360'	12.0 in	600 sys	175 lbs

<sup>(1)</sup> At the time of manufacturing. Handling, storage, and shipping may change these properties.

<sup>(2)</sup> Maximum average roll value (MaxARV).

<sup>(3)</sup> Historical reference values. These properties are no longer recognized by ASTM or AASHTO for geosynthetics.

**US Fabrics, Inc. | 3904 Virginia Avenue | Cincinnati, OH 45227**  
**Phone: (800) 518-2290 | Fax: (513) 217-4420 | email: info@usfabrics.com**

This information is provided for reference only and is not intended as a warranty or guarantee.  
 US Fabrics assumes no liability in connection with the use of this information (1/2020).