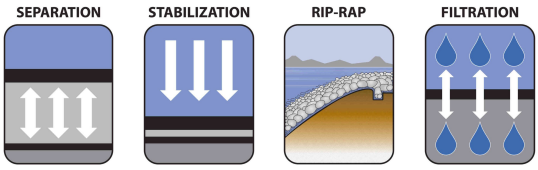
US 180NW

Nonwoven Geotextile



US 180NW is a nonwoven needlepunched geotextile made of 100% polypropylene staple filaments. US 180NW resists ultraviolet and biological deterioration, rotting, naturally encountered chemicals, alkalis and acids. Polypropylene is stable within a pH range of 2 to 13. US 180NW meets the following M.A.R.V. values except where noted:

PROPERTY	TEST METHOD	ENGLISH	METRIC
Weight Typical	ASTM D-5261	7 oz/y²	237.3 g/m²
Grab Tensile Strength	ASTM D-4632	180 lbs	801 N
Elongation @ Break	ASTM D-4632	50 %	50 %
Mullen Burst(3)	ASTM D-3786	330 psi	2,275 kPa
Pin Puncture(3)	ASTM D-4833	105 lbs	467 N
CBR Puncture	ASTM D-6241	475 lbs	2,114 N
Trapezoidal Tear	ASTM D-4533	75 lbs	334 N
Apparent Opening Size(1,2)	ASTM D-4751	70 US Sieve	0.21 mm
Permittivity(1)	ASTM D-4491	1.4 Sec^{-1}	1.4 Sec^{-1}
Water Flow Rate(1)	ASTM D-4491	105 g/min/f²	4,278 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(3) Historical reference values.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 180NW Shipping & Packaging Information

SIZE	DIAMETER	WIDTH	WEIGHT	AREA	ROLLS PER TRAILER
12.5' x 360'	16"	12.5'	240 lbs	500 y²	200
15' x 300'	16"	15'	240 lbs	500 y²	156

US Fabrics, Inc. | 3904 Virginia Avenue | Cincinnati, OH 45227
Phone: (800) 518-2290 | Fax: (513) 271-4420 | 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.