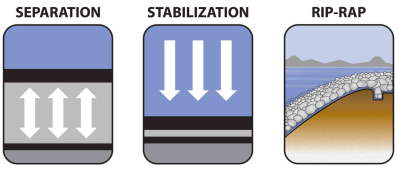
US 380NW

Nonwoven Geotextile



NTPEP APPROVED - GTX-2019-01-302. US 380NW is a nonwoven needlepunched geotextile made of 100% polypropylene staple filaments. US 380NW resists ultraviolet and biological deterioration, rotting, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. US 380NW meets the following M.A.R.V. values except where noted:

PROPERTY	TEST METHOD	ENGLISH	METRIC
Weight Typical	ASTM D-5261	16 oz/y²	542.4 g/m²
Grab Tensile Strength	ASTM D-4632	380 lbs	1,691 N
Elongation @ Break	ASTM D-4632	50 %	50 %
Mullen Burst(3)	ASTM D-3786	750 psi	5,171 kPa
Pin Puncture(3)	ASTM D-4833	240 lbs	1,070 N
CBR Puncture	ASTM D-6241	1,080 lbs	4,806 N
Trapezoidal Tear	ASTM D-4533	145 lbs	645 N
Apparent Opening Size(1,2)	ASTM D-4751	100 US Sieve	0.149 mm
Permittivity(1)	ASTM D-4491	0.7 Sec^{-1}	0.7 Sec^{-1}
Water Flow Rate(1)	ASTM D-4491	50 g/min/f²	2,035 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(3) Historical reference values.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 380NW Shipping & Packaging Information

SIZE	DIAMETER	WIDTH	WEIGHT	AREA	ROLLS PER TRAILER
15' x 150'	16"	15'	270 lbs	250 y²	110
15' x 300'	32"	15'	540 lbs	500 y²	48

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