



US 160NW

Nonwoven Geotextile



NTPEP APPROVED - GTX-2019-01-296. US 160NW is a nonwoven needlepunched geotextile made of 100% polypropylene staple filaments. US 160NW resists ultraviolet and biological deterioration, rotting, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. US 160NW will satisfy the requirements as outlined in AASHTO M-288-06 for Class 2 applications and meets the following M.A.R.V. values except where noted:



PROPERTY	TEST METHOD	ENGLISH	METRIC
Weight <input type="checkbox"/> Typical	<u>ASTM D-5261</u>	6 oz/y ²	203.4 g/m ²
Grab Tensile Strength	<u>ASTM D-4632</u>	160 lbs	711 N
Elongation @ Break	<u>ASTM D-4632</u>	50 %	50 %
Mullen Burst ⁽³⁾	<u>ASTM D-3786</u>	305 psi	2,103 kPa
Pin Puncture ⁽³⁾	<u>ASTM D-4833</u>	90 lbs	400 N
CBR Puncture	<u>ASTM D-6241</u>	410 lbs	1,825 N
Trapezoidal Tear	<u>ASTM D-4533</u>	60 lbs	267 N
Apparent Opening Size ^(1,2)	<u>ASTM D-4751</u>	70 US Sieve	0.21 mm
Permittivity ⁽¹⁾	<u>ASTM D-4491</u>	1.5 Sec ⁻¹	1.5 Sec ⁻¹
Water Flow Rate ⁽¹⁾	<u>ASTM D-4491</u>	110 g/min/f ²	4,480 L/min/m ²
UV Resistance @ 500 Hours	<u>ASTM D-4355</u>	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⁽³⁾ Historical reference values.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 160NW Shipping & Packaging Information

SIZE	DIAMETER	WIDTH	WEIGHT	AREA	ROLLS PER TRAILER
12.5' x 360'	15"	12.5'	215 lbs	500 y ²	208
15' x 300'	15"	15'	215 lbs	500 y ²	156

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