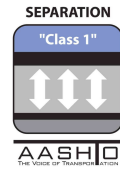




# US 205NW

## Nonwoven Geotextile



NTPEP APPROVED - GTX-2019-01-299. US 205NW is a nonwoven needlepunched geotextile made of 100% polypropylene staple filaments. US 205NW resists ultraviolet and biological deterioration, rotting, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. US 205NW will satisfy the requirements as outlined in AASHTO M-288-06 for Class 1 applications and meets the following M.A.R.V. values except where noted:



PROPERTY	TEST METHOD	ENGLISH	METRIC
Weight <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Typical</span>	<u>ASTM D-5261</u>	8 oz/y <sup>2</sup>	271.2 g/m <sup>2</sup>
Grab Tensile Strength	<u>ASTM D-4632</u>	205 lbs	912 N
Elongation @ Break	<u>ASTM D-4632</u>	50 %	50 %
Mullen Burst <sup>(3)</sup>	<u>ASTM D-3786</u>	350 psi	2,413 kPa
Pin Puncture <sup>(3)</sup>	<u>ASTM D-4833</u>	130 lbs	579 N
CBR Puncture	<u>ASTM D-6241</u>	535 lbs	2,381 N
Trapezoidal Tear	<u>ASTM D-4533</u>	85 lbs	378 N
Apparent Opening Size <sup>(1,2)</sup>	<u>ASTM D-4751</u>	80 US Sieve	0.177 mm
Permittivity <sup>(1)</sup>	<u>ASTM D-4491</u>	1.4 Sec <sup>-1</sup>	1.4 Sec <sup>-1</sup>
Permittivity <sup>(1)</sup>	<u>ASTM D-4491</u>	1.4 Sec <sup>-1</sup>	1.4 Sec <sup>-1</sup>
Water Flow Rate <sup>(1)</sup>	<u>ASTM D-4491</u>	95 g/min/f <sup>2</sup>	3,870 L/min/m <sup>2</sup>
UV Resistance @ 500 Hours	<u>ASTM D-4355</u>	70 %	70 %

<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 Historical reference values.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 205NW Shipping & Packaging Information

SIZE	DIAMETER	WIDTH	WEIGHT	AREA	ROLLS PER TRAILER
12.5' x 360'	16"	12.5'	270 lbs	500 y <sup>2</sup>	148
15' x 300'	16"	15'	270 lbs	500 y <sup>2</sup>	153

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