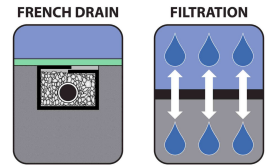




US 100NW

Nonwoven Geotextile



NTPEP APPROVED - GTX-2019-01-294. US 100NW is a nonwoven needlepunched geotextile made of 100% polypropylene staple filaments. US 100NW resists ultraviolet and biological deterioration, rotting, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. US 100NW meets the following M.A.R.V. values except where noted:



| PROPERTY | TEST METHOD | ENGLISH | METRIC |
|---|-----------------------------|--------------------------|----------------------------|
| Weight Typical | ASTM D-5261 | 4 oz/y ² | 135.6 g/m ² |
| Grab Tensile Strength | ASTM D-4632 | 100 lbs | 445 N |
| Elongation @ Break | ASTM D-4632 | 50 % | 50 % |
| Mullen Burst ⁽³⁾ | ASTM D-3786 | 210 psi | 1,448 kPa |
| Pin Puncture ⁽³⁾ | ASTM D-4833 | 65 lbs | 289 N |
| CBR Puncture | ASTM D-6241 | 300 lbs | 1,335 N |
| Trapezoidal Tear | ASTM D-4533 | 45 lbs | 200 N |
| Apparent Opening Size ^(1,2) | ASTM D-4751 | 70 US Sieve | 0.21 mm |
| Permittivity ⁽¹⁾ | ASTM D-4491 | 2 Sec ⁻¹ | 2 Sec ⁻¹ |
| Water Flow Rate ⁽¹⁾ | ASTM D-4491 | 140 g/min/f ² | 5,689 L/min/m ² |
| 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⁽³⁾ Historical reference values.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 100NW Shipping & Packaging Information

| SIZE | DIAMETER | WIDTH | WEIGHT | AREA | ROLLS PER TRAILER |
|--------------|----------|-------|---------|--------------------|-------------------|
| 12.5' x 360' | 13" | 12.5' | 166 lbs | 500 y ² | 260 |
| 15' x 360' | 13" | 15' | 192 lbs | 600 y ² | 198 |

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