



US 270NWE-A

AREMA Regular Survivability Nonwoven Geotextile



US 270NWE-A is an 10 OZ MARV WEIGHT nonwoven needlepunched geotextile made of 100% polypropylene staple filaments. US 270NWE-A is resistant to ultraviolet deterioration, rotting, biological degradation, naturally encountered bases and acids. Polypropylene is stable within a pH range of 2 to 13. US 270NWE-A meets AREMA specification 1-10-2, "Regular Survivability" and the following M.A.R.V. values:



PROPERTY	TEST METHOD	ENGLISH	METRIC
Weight	ASTM D-5261	10 oz/y ²	339 g/m ²
Grab Tensile Strength	ASTM D-4632	175 lbs	779 N
Elongation @ Break	ASTM D-4632	20 %	20 %
Mullen Burst	ASTM D-3786	400 psi	2,758 kPa
Pin Puncture	ASTM D-4833	110 lbs	485 N
Trapezoidal Tear	ASTM D-4533	100 lbs	445 N
Apparent Opening Size ^(1,2)	ASTM D-4751	70 US Sieve	0.21 mm
Permittivity ⁽¹⁾	ASTM D-4491	0.3 Sec ⁻¹	0.3 Sec ⁻¹
Permeability ⁽¹⁾	ASTM D-4491	0.1 cm/sec	0.1 cm/sec
UV Resistance @ 500 Hours	ASTM D-4355	70 %	70 %
Transmissivity ^(3,4)	ASTM D-4716		3.0 x 10 ⁻⁶ m ² /sec
Abrasion Resistance	ASTM D-4886	80 %	80 %

(1) At the time of manufacturing. Handling, storage, and shipping may change these properties.

(2) Maximum average roll value (MaxARV).

(3) Transmissivity measured using water at 21 ± 2 ° C (70 ± 4) ° C with a gradient of 0.1 and a confining pressure of 10,000 psf between steel plates after 15 minutes. Values may vary with individual labs.

(4) Minimum average value.

US 270NWE-A Shipping & Packaging Information

SIZE	DIAMETER	WIDTH	WEIGHT	AREA	ROLLS PER TRAILER
15' x 300'	22"	15'	350 lbs	500 y ²	85

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

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