US 425NWE-A

AREMA Extra Heavy Survivability Nonwoven Geotextile

US 425NWE-A is a 16 OZ MARV WEIGHT nonwoven needlepunched geotextile made of 100% polypropylene staple filaments. US 425NWE-A is resistant to ultraviolet deterioration, rotting, biological degradation, naturally encountered chemicals, alkalis and acids. Polypropylene is stable within a pH range of 2 to 13. US 425NWE-A meets AREMA specification 1-10-2, "Extra Heavy Survivability" and the following M.A.R.V. values:

PROPERTY	TEST METHOD	ENGLISH	METRIC
Weight	ASTM D-5261	16 oz/y²	542.4 g/m²
Grab Tensile Strength	ASTM D-4632	350 lbs	1,558 N
Elongation @ Break	ASTM D-4632	20 %	20 %
Mullen Burst	ASTM D-3786	450 psi	3,102 kPa
Pin Puncture	ASTM D-4833	185 lbs	823 N
Trapezoidal Tear	ASTM D-4533	150 lbs	668 N
Apparent Opening Size(1,2)	ASTM D-4751	70 US Sieve	0.21 mm
Permittivity(1)	ASTM D-4491	0.2 Sec^{-1}	0.2 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		9.3 x 10^{-6} m²/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 425NWE-A Shipping & Packaging Information

SIZE	DIAMETER	WIDTH	WEIGHT	AREA	ROLLS PER TRAILER
15' x 360'	31"	15'	620 lbs	600 y²	27

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