EARTH™ SAVER
GEOSYNTHETICS & EROSION CONTROL PRODUCTS

PROUDLY MADE IN USA

ES1250N-US PRODUCT DATA SHEET

Our ES1250N-US is a needle-punched nonwoven geotextile made of polypropylene staple fibers, which are formed into a random network for dimensional stability. Our ES1250N-US resists ultraviolet deterioration, rotting, biological degradation, naturally encountered alkalis and acids. Polypropylene is stable within the pH range of 2 to 13. Our ES1250N-US is Made in the USA, BABA compliant, NTPEP listed and meets requirements as per AASHTO Standards and/or D.O.T. Standards.

Properties[1]	Test Method	English MARV[2]	Metric MARV[2]
MECHANICAL PROPERTIES			
Weight	ASTM D5261	12.0 oz/yd^2	407 g/m^2
Grab Tensile Strength	ASTM D4632	290 lbs	1.29 kN
Grab Elongation	ASTM D4632	50%	
Trapezoidal Tear Strength	ASTM D4533	100 lbs	0.445 kN
CBR Puncture Strength	ASTM D6241	775 lbs	3.45 kN
HYDRAULIC PROPERTIES			
Permittivity[3]	ASTM D4491	0.70 sec^{-1}	
Apparent Opening Size (AOS)[3,4]	ASTM D4751	100 US Sieve	0.15 mm
ENDURANCE PROPERTY			
UV Stability	ASTM D4355	70% at 500 hours	
PACKAGING DETAILS			
Roll Width	Measured	15 ft	4.57 m
Roll Length	Measured	300 ft	91.44 m
Roll Area	Measured	500 yd^2	419 m^2
Roll Weight	Measured	390 lbs	177 kg
AASHTO CLASSIFICATION			
M288 Survivability Class		1	
M288 Application[5]		SP, ST, D, E	

NOTE
1 The property values listed above are subject to change without notice
2 Minimum Average Roll Value (MARV) is calculated as the average minus two standard deviations. Statistically, it yields approximately 97.5% degree of confidence that any samples taken from quality assurance testing will meet or exceed the values described above. All values are MARV unless otherwise noted.
3 At time of manufacturing. Handling may change these properties.
4 Maximum Average Roll Value
5 S/F=Silt Fence, SP=Separation, ST=Stabilization, D=Drainage, E=Erosion Control

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