

## ES600N PRODUCT DATA SHEET

Our ES600N is a needle-punched nonwoven geotextile made of polypropylene staple fibers, which are formed into a random network for dimensional stability. Our ES600N resists ultraviolet deterioration, rotting, biological degradation, naturally encountered alkalis and acids. Polypropylene is stable within the pH range of 2 to 13. Our ES600N is NTPEP listed and meets requirements as per AASHTO Standards.

Properties <sup>1</sup>	Test Method	English MARV <sup>2</sup>		Metric MARV <sup>2</sup>	
MECHANICAL PROPERTIES					
Grab Tensile Strength	ASTM D4632	160 lbs		0.71 kN	
Grab Elongation	ASTM D4632	50%			
Trapezoidal Tear Strength	ASTM D4533	60 lbs		0.267 kN	
CBR Puncture Strength	ASTM D6241	410 lbs		1.823 kN	
HYDRAULIC PROPERTIES					
Permittivity <sup>3</sup>	ASTM D4491	1.4 sec <sup>-1</sup>			
Water Flow <sup>3</sup>	ASTM D4491	110 gpm/ft <sup>2</sup>		4479 l/min/m <sup>2</sup>	
Apparent Opening Size (AOS) <sup>3,4</sup>	ASTM D4751	70 US Sieve		0.212 mm	
ENDURANCE PROPERTY					
UV Stability	ASTM D4355	70% at 500 hours			
PACKAGING DETAILS					
Roll Width	Measured	12.5 ft	15 ft	3.81 m	4.57 m
Roll Length	Measured	360 ft	300 ft	109.73 m	91.44 m
Roll Area	Measured	500 yd <sup>2</sup>		418 m <sup>2</sup>	
Roll Weight	Measured	195 lbs		89 kg	
AASHTO CLASSIFICATION					
M288 Survivability Class		2			
M288 Application <sup>5</sup>		SP, ST, D, E			

### NOTE

<sup>1</sup> The property values listed above are subject to change without notice

<sup>2</sup> 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.

<sup>3</sup> At time of manufacturing. Handling may change these properties.

<sup>4</sup> Maximum Average Roll Value

<sup>5</sup> S/F=Silt Fence, SP=Separation, ST=Stabilization, D=Drainage, E=Erosion Control

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