

ES90SF PRODUCT DATA SHEET

Our ES90SF woven geotextile is made of slit tape polypropylene yarns, which are woven such that the yarns retain their relative position. Produced from first quality raw materials, these geotextiles offer optimum performance for silt fence. Our ES90SF resists ultraviolet deterioration, rotting, biological degradation, naturally encountered alkalis and acids. Our ES90SF is NTPEP listed and meets or exceeds requirements of AASHTO M288 for temporary supported silt fence. The minimum average roll values are shown in the table below.

Properties ¹	Test Method	English MARV ²		Metric MARV ²					
MECHANICAL PROPERTIES									
Grab Tensile Strength	ASTM D4632	124 lbs		552 N					
Grab Elongation	ASTM D4632	15%							
Trapezoidal Tear Strength	ASTM D4533	50 lbs		222 N					
CBR Puncture Strength	ASTM D6241	350 lbs		1556 N					
HYDRAULIC PROPERTIES									
Permittivity ³	ASTM D4491	0.05 sec ⁻¹							
Water Flow ³	ASTM D4491	8 gpm/ft ²		325 l/min/m ²					
Apparent Opening Size (AOS) ^{3,4}	ASTM D4751	30 US Sieve		0.60 mm					
ENDURANCE PROPERTY									
UV Stability	ASTM D4355	70% at 500 hours							
PACKAGING DETAILS									
Roll Width	Measured	24 in	36 in	42 in	.61 m	0.915 m	1.06 m		
AASHTO CLASSIFICATION									
M288 Survivability Class		N/A							
M288 Application ⁵		S/F							

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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