



ADS GEOSYNTHETICS 77SF SILT FENCE SPECIFICATION

Scope

This specification describes ADS Geosynthetics 77SF silt fence.

Filter Fabric Requirements

ADS Geosynthetics 77SF is manufactured using high tenacity polypropylene yarns that are woven to form a dimensionally stable network, which allows the yarns to maintain their relative position. ADS Geosynthetics 77SF silt fence resists ultraviolet deterioration, rotting and biological degradation and is inert to commonly encountered soil chemicals. It meets or exceeds the requirements of AASHTO M288 for supported silt fence and ASTM D6461 Table 1.

Filter Fabric Properties

Property	Test Method	Unit	Average Value
Tensile Strength (Grab)	ASTM D4632	lbs (N)	100 x 100 (445 x 445)
Elongation (Grab)	ASTM D4632	%	15 x 15 (15 x 15)
Trapezoidal Tear Strength	ASTM D4533	lbs (N)	50 x 50 (322.4 x 322.4)
CBR Puncture	ASTM D6241	lbs (N)	250 (1112.5)
UV Resistance (500 hours)	ASTM D4355	%	80
Apparent Opening Size*	ASTM D4751	US Standard Sieve (mm)	30 (0.60)
Permittivity	ASTM D4491	sec ⁻¹	0.1
Water Flow Rate	ASTM D4491	gpm/ft ² (lpm/m ²)	8 (326)

Filter Fabric Available Sizes

Property	Test Method	Unit	Average Value
Roll Dimensions	Measured	in x yds (m x m)	36 x 3,300 (.91 x 3018) 36 x Custom (.91 x Custom) 42 x 3,300 (1.07 x 3018) 42 x Custom (1.07 x Custom) 48 x 3,300 (1.22 x 3018) 48 x Custom (1.22 x Custom)