



## ADS GEOSYNTHETICS 1701 NONWOVEN GEOTEXTILE

### Scope

This specification describes ADS Geosynthetics 16.0 oz (1701) nonwoven geotextile.

### Filter Fabric Requirements

ADS Geosynthetics 16.0 oz (1701) is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. ADS Geosynthetics 16.0 oz (1701) resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. ADS Geosynthetics 16.0 oz (1701) conforms to the physical property values listed below:

### Filter Fabric Properties

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight	ASTM D 5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	16.0 (542)
Grab Tensile	ASTM D 4632	lbs (kN)	425(1.89)
Grab Elongation	ASTM D 4632	%	50
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	150(0.667)
Thickness*	ASTM D 5199	mils (mm)	175(4.45)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	1200 (5.34)
Permittivity*	ASTM D 4491	sec <sup>-1</sup>	0.57
Permeability*	ASTM D 4491	cm/sec	0.25
Water Flow*	ASTM D 4491	gpm/ft <sup>2</sup> (l/min/m <sup>2</sup> )	45 (1833)
AOS	ASTM D 4751	US Sieve (mm)	100 (0.150)
UV Resistance	ASTM D 4355	%/hrs	70/500

PACKAGING	
Roll Dimensions (W x L) – ft	15 x 360
Square Yards Per Roll	600
Estimated Roll Weight – lbs	620

\* At the time of manufacturing. Handling may change these properties.