



ADS 1701 NONWOVEN GEOTEXTILE SPECIFICATION

Scope

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

Filter Fabric Requirements

ADS 1701 (16.0 oz) is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. ADS 1701 (16.0 oz) resists ultraviolet deterioration, rotting, biological degradation and naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. ADS 1701 (16.0 oz) 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 D5261	oz/yd ² (g/m ²)	16.0 (542)
Grab Tensile	ASTM D4632	lbs (kN)	425 (1.89)
Grab Elongation	ASTM D4632	%	50
Trapezoid Tear Strength	ASTM D4533	lbs (kN)	150 (0.667)
Thickness*	ASTM D5199	mils (mm)	175 (4.45)
CBR Puncture Resistance	ASTM D6241	lbs (kN)	1200 (5.34)
Permittivity*	ASTM D4491	sec ⁻¹	0.57
Permeability*	ASTM D4491	cm/sec	0.25
Water Flow*	ASTM D4491	gpm/ft ² (l/min/m ²)	45 (1833)
AOS	ASTM D4751	US Sieve (mm)	100 (0.150)
UV Resistance	ASTM D4355	%/hrs	70/500

Packaging

Roll Dimensions (W x L) - ft. (m)	15 x 360 (4.5 x 110)
Roll Square Yards (Square Meters)	600 (502)
Estimated Roll Weight - lbs (kg)	620 (281)

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