



Drainage



Filtration



Separation



Protection

ADS 0651 NONWOVEN GEOTEXTILE SPECIFICATION

Scope

This specification describes ADS 0651 (6.0 oz) nonwoven geotextile.

Filter Fabric Requirements

ADS 0651 (6.0 oz) is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. ADS 0651 (6.0 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 0651 (6.0 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)	6.0 (203)
Grab Tensile	ASTM D4632	lbs (kN)	160 (.711)
Grab Elongation	ASTM D4632	%	50
Trapezoid Tear Strength	ASTM D4533	lbs (kN)	65 (0.29)
Thickness*	ASTM D5199	mils (mm)	85 (2.16)
CBR Puncture	ASTM D6241	lbs (kN)	450 (2.0)
Permittivity*	ASTM D4491	sec ⁻¹	1.63
Permeability*	ASTM D4491	cm/sec	0.3
Water Flow*	ASTM D4491	gpm/ft ² (l/min/m ²)	125 (5080)
AOS	ASTM D4751	US Sieve (mm)	70 (0.212)
UV Resistance	ASTM D4355	%/hrs	70/500

Packaging

Roll Dimensions (W x L) - ft. (m)	15 x 900 (4.5 x 274)
Roll Square Yards (Square Meters)	1500 (1254)
Estimated Roll Weight - lbs (kg)	620 (281)

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