



ADS GEOSYNTHETICS 0651 NONWOVEN GEOTEXTILE

Scope

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

Filter Fabric Requirements

ADS Geosynthetics 6.0 oz (0651) is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. ADS Geosynthetics 6.0 oz (0651) resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. ADS Geosynthetics 6.0 oz (0651) 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 ² (g/m ²)	6.0 (203)
Grab Tensile	ASTM D 4632	lbs (kN)	160 (.711)
Grab Elongation	ASTM D 4632	%	50
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	65 (0.29)
Thickness*	ASTM D 5199	mils (mm)	85 (2.16)
CBR Puncture	ASTM D 6241	lbs (kN)	450 (2.0)
Permittivity*	ASTM D 4491	sec ⁻¹	1.63
Permeability*	ASTM D 4491	cm/sec	0.3
Water Flow*	ASTM D 4491	gpm/ft ² (l/min/m ²)	125 (5080)
AOS	ASTM D 4751	US Sieve (mm)	70 (0.212)
UV Resistance	ASTM D 4355	%/hrs	70/500

PACKAGING	
Roll Dimensions (W x L) – ft	15 x 900
Square Yards Per Roll	1500
Estimated Roll Weight – lbs	620

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