



Reinforcement



Separation

## ADS 4597 NONWOVEN GEOTEXTILE SPECIFICATION

### Scope

This specification describes ADS 4597 nonwoven geotextile.

### Filter Fabric Requirements

ADS 4597 is a needle-punched nonwoven composed of polypropylene staple fibers, which are formed into a random network for dimensional stability. ADS 4597 resists ultraviolet deterioration, rotting, biological degradation and naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. ADS 4597 conforms to the physical property values listed below:

### Filter Fabric Properties

Property	Test Method	Unit	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	5.2 (177)
Grab Tensile	ASTM D4632	lbs (kN)	120 (0.533)
Grab Elongation	ASTM D4632	%	50
Trapezoid Tear Strength	ASTM D4533	lbs (kN)	55 (0.24)
Puncture Resistance	ASTM D4833	lbs (kN)	65 (0.27)
Asphalt Retention	-	gal/sy	0.2
Melting Point	-	°F (°C)	300 (149)
UV Resistance (at 500 hours)	ASTM D4355	%	70

### Packaging

Roll Dimensions (W x L) - ft. (m)	6.25/10.5/12.5/15 x 360 (1.9/3.2/3.8/4.5 x 109.7)
Roll Square Yards (Square Meters)	250/420/500/600 (209/351/418/501)