



Reinforcement



Separation

ADS 4599 NONWOVEN GEOTEXTILE SPECIFICATION

Scope

This specification describes ADS 4599 (3.8 oz) nonwoven geotextile.

Filter Fabric Requirements

ADS 4599 (3.8 oz) is a needle-punched nonwoven made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. ADS 4599 (3.8 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 4599 (3.8 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)	3.8 (129)
Grab Tensile	ASTM D4632	lbs (kN)	90 (0.4)
Grab Elongation	ASTM D4632	%	50
Trapezoid Tear Strength	ASTM D4533	lbs (kN)	35 (0.155)
CBR Puncture Resistance	ASTM D6241	lbs (kN)	275 (1.22)
Asphalt Retention	-	gal/sq. yd.	0.2
Melting Point	-	°F (°C)	300 (149)
UV Resistance	ASTM D4355	%/hrs	70/500

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)
Estimated Roll Weight - lbs (kg)	70/115/130/150 (32/52/59/68)