



## ADS 1291 NONWOVEN GEOTEXTILE SPECIFICATION

### Scope

This specification describes ADS 1291 (12.0 oz) nonwoven geotextile.

### Filter Fabric Requirements

ADS 1291 (12.0 oz) is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. ADS 1291 (12.0 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 1291 (12.0 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 <sup>2</sup> (g/m <sup>2</sup> )	12.0 (407)
Grab Tensile	ASTM D4632	lbs (kN)	330 (1.47)
Grab Elongation	ASTM D4632	%	50
Trapezoid Tear Strength	ASTM D4533	lbs (kN)	125 (0.556)
Thickness*	ASTM D5199	mils (mm)	120 (3.05)
CBR Puncture Resistance	ASTM D6241	lbs (kN)	900 (4.0)
Permittivity*	ASTM D4491	sec <sup>-1</sup>	0.9
Permeability*	ASTM D4491	cm/sec	0.3
Water Flow*	ASTM D4491	gpm/ft <sup>2</sup> (l/min/m <sup>2</sup> )	70 (2544)
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 480 (4.5 x 146)
Roll Square Yards (Square Meters)	800 (669)
Estimated Roll Weight - lbs (kg)	620 (281)

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