



ADS GEOSYNTHETICS 1291 NONWOVEN GEOTEXTILE

Scope

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

Filter Fabric Requirements

ADS Geosynthetics 12.0 oz (1291) is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. ADS Geosynthetics 12.0 oz (1291) resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. ADS Geosynthetics 12.0 oz (1291) 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)	12.0 (407)
Grab Tensile	ASTM D 4632	lbs (kN)	330(1.47)
Grab Elongation	ASTM D 4632	%	50
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	125(0.556)
Thickness*	ASTM D 5199	mils (mm)	120(3.05)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	900 (4.0)
Permittivity*	ASTM D 4491	sec ⁻¹	0.90
Permeability*	ASTM D 4491	cm/sec	0.3
Water Flow*	ASTM D 4491	gpm/ft ² (l/min/m ²)	70 (2544)
AOS	ASTM D 4751	US Sieve (mm)	100 (0.150)
UV Resistance	ASTM D 4355	%/hrs	70/500

PACKAGING	
Roll Dimensions (W x L) – ft	15 x 480
Square Yards Per Roll	800
Estimated Roll Weight – lbs	620

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