



Drainage



Filtration



Separation

ADS 0451T NONWOVEN GEOTEXTILE SPECIFICATION

Scope

This specification describes ADS 0451T (4.2 oz) nonwoven geotextile.

Filter Fabric Requirements

ADS 0451T (4.2 oz) is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. ADS 0451T (4.2 oz) resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. ADS 0451T (4.2 oz) conforms to the physical property values listed below:

Filter Fabric Properties

Property	Test Method	Unit	M.A.R.V. (Minimum Average Roll Value)
Grab Tensile	ASTM D4632	lbs (kN)	120 (0.533)
Grab Elongation	ASTM D4632	%	50
Trapezoid Tear Strength	ASTM D4533	lbs (kN)	50 (0.222)
CBR Puncture Resistance	ASTM D6241	lbs (kN)	310 (1.38)
Permittivity*	ASTM D4491	sec ⁻¹	1.7
Water Flow*	ASTM D4491	gpm/ft ² (l/min/m ²)	135 (5500)
AOS*	ASTM D4751	US Sieve (mm)	70 (0.212)
UV Resistance	ASTM D4355	%/hrs	70/500

Packaging

Roll Dimensions (W x L) - ft. (m)	3.0/4.0/5.0/6.25/7.5/12.5/15 x 360 (0.9/1.2/1.5/1.9/2.3/3.8/4.5 x 110)
Roll Square Yards (Square Meters)	120/160/200/250/300/500/600 (100/133/167/209/251/418/501)
Estimated Roll Weight - lbs (kg)	36/38/60/76/90/152/180 (16/17/27/34/41/69/82)

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