



Drainage



Filtration



Separation

ADS 0351T/O NONWOVEN GEOTEXTILE SPECIFICATION

Scope

This specification describes ADS 0351T/O nonwoven geotextile.

Filter Fabric Requirements

ADS 0351T/O is an orange nonwoven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. ADS 0351T/O is inert to biological degradation and resists naturally encountered chemicals, alkali and acids. ADS 0351T/O conforms to the physical property values listed below:

Filter Fabric Properties

Property	Test Method	Unit	Typical Value ¹ MD	Typical Value ¹ CD
Grab Tensile Strength	ASTM D4632	lbs (N)	100 (445)	100 (445)
Grab Tensile Elongation	ASTM D4632	%	75	75
Trapezoid Tear Strength	ASTM D4533	lbs (N)	50 (223)	50 (223)
CBR Puncture Strength	ASTM D6241	lbs (N)	310 (1380)	310 (1380)
Permittivity	ASTM D4491	sec ⁻¹	2.4	2.4
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	175 (7130)	175 (7130)
UV Resistance (at 500 hours) ¹	ASTM D4355	% strength retained	70	70

Physical Properties

Property	Test Method	Unit	Typical Value ²
Weight	ASTM D5161	oz/yd ² (g/m ²)	3.8 (129)
Thickness	ASTM D5199	mils (mm)	35 (0.9)
Roll Dimensions (W x L)	-	ft (m)	15 x 360 (4.5 x 110)
Roll Area	-	yd ² (m ²)	600 (502)
Estimated Roll Weight	-	lb (kg)	157 (71)

Apparent Opening Size (AOS): ASTM D4751: U.S. Sieve (mm): 60 (0.25) is tested to a Maximum Opening Diameter Value

¹ Modified

² ASTM D4439 Standard Terminology for Geosynthetics: typical value, *n-for geosynthetics*, the mean value calculated from documented manufacturing quality control test results for a defined population obtained from one test method associated with on specific property. ADS 0351T/O orange polypropylene nonwoven is not manufactured with any heavy metal contents. The regulated metals - leads, mercury, cadmium and hexavalent chromium are not intentionally added to any component in this product during the manufacturing process.