



Drainage



Filtration



Separation

ADS 0401T NONWOVEN GEOTEXTILE SPECIFICATION

Scope

This specification describes ADS 0401T (4.0 oz) nonwoven geotextile.

Filter Fabric Requirements

ADS 0401T (4.0 oz) is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. ADS 0401T (4.0 oz) resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. ADS 0401T (4.0 oz) conforms to the physical property values listed below:

Filter Fabric Properties

| Property | Test Method | Unit | M.A.R.V. (Minimum Average Roll Value) |
|-------------------------|-------------|---|--|
| Grab Tensile | ASTM D4632 | lbs (kN) | 100 (0.445) |
| Grab Elongation | ASTM D4632 | % | 50 |
| Trapezoid Tear Strength | ASTM D4533 | lbs (kN) | 45 (0.200) |
| CBR Puncture Resistance | ASTM D6241 | lbs (kN) | 250 (1.113) |
| Permittivity* | ASTM D4491 | sec ⁻¹ | 2.0 |
| Water Flow* | ASTM D4491 | gpm/ft ² (l/min/m ²) | 140 (5704) |
| AOS* | ASTM D4751 | US Sieve (mm) | 70 (0.212) |
| UV Resistance | ASTM D4355 | %/hrs | 70/500 |

Packaging

| | |
|-----------------------------------|---|
| Roll Dimensions (W x L) - ft. (m) | 3.0/4.0/5.0/6.0/7.5/9.0/12.5/15 x 360 (0.9/1.2/1.5/1.8/2.3/2.7/3.8/4.5 x 110) |
| Roll Square Yards (Square Meters) | 120/160/200/240/300/360/500/600 (100/133/167/200/250/301/418/502) |
| Estimated Roll Weight - lbs (kg) | 34.4/36.5/57.3/73.0/86.0/103.0/146.0/172.0 (15.6/16.6/26.0/33.1/39.0/46.7/66.2/78.0) |

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