



Reinforcement



Separation

ADS 4598 NONWOVEN GEOTEXTILE SPECIFICATION

Scope

This specification describes ADS 4598 (4.2 oz) nonwoven geotextile.

Filter Fabric Requirements

ADS 4598 (4.2 oz) is a needle-punched nonwoven made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. ADS 4598 (4.2 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 4598 (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) |
|-------------------------|-------------|--|--|
| Weight | ASTM D5261 | oz/yd ² (g/m ²) | 4.2 (143) |
| Grab Tensile | ASTM D4632 | lbs (kN) | 102 (0.453) |
| Grab Elongation | ASTM D4632 | % | 50 |
| Trapezoid Tear Strength | ASTM D4533 | lbs (kN) | 45 (.20) |
| CBR Puncture Resistance | ASTM D6241 | lbs (kN) | 300 (1.24) |
| Asphalt Retention | - | gal/sq. yd. | 0.2 |
| Melting Point | - | °F (°C) | 300 (149) |
| UV Resistance | ASTM D4355 | %/hrs | 70/500 |

Packaging

| | |
|-----------------------------------|---|
| Roll Dimensions (W x L) - ft. (m) | 6.25/10.5/12.5/15 x 360 (1.9/3.2/3.8/4.5 x 109.7) |
| Roll Square Yards (Square Meters) | 250/420/500/600 (209/351/418/501) |
| Estimated Roll Weight - lbs (kg) | 70/115/130/150 (32/52/59/68) |