WOVEN
Woven geotextiles are used in separation, stabilization and reinforcement applications over soft soils, which include paved and unpaved roads and embankments. Stabilization geotextiles provide a cost effective means of extending the life of the road or parking lot.

HIGH STRENGTH
High strength geotextiles contain heavy woven tape/fibrillated fabric. It is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils. High strength geotextiles are ideal for the construction of embankments over soft soils, steepened slopes, and modular block and/or wrapped-face retaining walls.

NONWOVEN
Nonwoven geotextiles act as permeable separators that allow water to pass into the drainage system, while preventing soils and other material from clogging the system. Key characteristics of drainage geotextiles are the AOS (Apparent Opening Size), which indicates the size of openings in the material, and Flow Rate, which indicates how much water can pass through the geotextile.

ADVANTAGES:
- Woven and Nonwoven material
- Reinforcement of the sub-base to reduce the base thickness
- Stabilization of embankments over soft soils
- Multiple AOS values and Flow Rates
- Custom widths available

For more information about Geosynthetics, contact Inside Sales at 800.448.3636 email at info@acfenv.com
### WOVEN GEOTEXTILES

**PROPERTY** | **TEST METHOD** | **UNITS** | **VALUE** | **S200E** | **S200** | **S250** | **S300** | **HSP2** | **HSP4** | **M100** | **N200**
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
**MECHANICAL** | | | | | | | | | | | | |
Grab Tensile Strength | ASTM D4632 | lbs | MARV | 200 | 200 | 250 | 315 | 315 x 315 | 600 x 500 | 370 x 250 | 370 x 200 |
Grab Elongation | ASTM D4632 | % | MARV | 15 | 15 | 15 | 15 | 15 x 15 | 15 x 15 | 15 x 15 | 15 x 15 |
Wide Width Tensile Strength | ASTM D4596 | lbs/ft | MARV | 360 | 360 | 380 | 380 | 380 x 380 | 380 x 380 | 380 x 380 | 380 x 380 |
Wide Width Elongation | ASTM D4596 | % | MARV | 12 x 8 | 10 x 8 | 12 x 8 | 10 x 8 | 12 x 8 | 10 x 8 | 12 x 8 | 10 x 8 |
Wide Width Tensile Strength | ASTM D4595 | lbs/ft | MARV | 774 x 1404 | 4800 x 4800 | 774 x 1404 | 4800 x 4800 | 774 x 1404 | 4800 x 4800 | 774 x 1404 | 4800 x 4800 |
Puncture Strength | ASTM D4833 | lbs | MARV | 90 | 90 | 100 | 150 | 140 | 180 | 120 | 90 |
CBR Strength | ASTM D4371 | psi | MARV | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 |
Mullen Burst | ASTM D3796 | psi | MARV | 400 | 400 | 450 | 600 | 800 | 1350 | 450 | 450 |
Trapezoidal Tear | ASTM D4533 | lbs | MARV | 75 | 75 | 90 | 120 | 125 x 250 | 250 x 250 | 370 x 250 | 250 x 250 |
**HYDRAULIC** | | | | | | | | | | | | |
Apparent Opening Size (AOS) | ASTM D4751 | US Sieve | MARV | 40 | 40 | 40 | 40 | 40 | 30 | 30 | 30 |
Permeability | ASTM D4491 | sec⁻¹ | MARV | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.70 | 0.15 | 0.28 |
Percent Open Area | COE-02215 | % | MARV | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
Water Flow Rate | ASTM D4491 | gpm/ft² | MARV | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 50 | 10 | 18 |
**ENDURANCE** | | | | | | | | | | | | |
UV Resistance | ASTM D4355 | % Retained @ 500 hrs | MARV | 70 | 70 | 70 | 70 | 70 | 80 | 80 | 90 |
**STANDARD PACKAGING** | | | | | | | | | | | | |
Roll Width | ft | MARV | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 |
Roll Length | ft | MARV | 432 | 432 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 |
Roll Area | yd² | MARV | 600 | 600 | 600 | 600 | 500 | 500 | 500 | 500 | 500 | 500 |

### NONWOVEN GEOTEXTILES

**PROPERTY** | **TEST METHOD** | **UNITS** | **VALUE** | **M100** | **M120**
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**MECHANICAL** | | | | | |
Grab Tensile Strength | ASTM D4632 | lbs | MARV | 80 | 80 |
Grab Elongation | ASTM D4632 | % | MARV | 50 | 50 |
Puncture Strength | ASTM D4632 | lbs | MARV | 175 | 175 |
Mullen Burst | ASTM D4632 | psi | MARV | 25 | 25 |
Trapezoidal Tear | ASTM D4632 | lbs | MARV | 25 | 25 |
**HYDRAULIC** | | | | | |
Apparent Opening Size (AOS) | ASTM D4751 | US Sieve | MARV | 50 | 50 |
Permeability | ASTM D4491 | sec⁻¹ | MARV | 2.2 | 2.2 |
Water Flow Rate | ASTM D4491 | gpm/ft² | MARV | 150 | 150 |
**ENDURANCE** | | | | | |
UV Resistance | ASTM D4355 | % Retained @ 500 hrs | MARV | 70 | 70 |
**STANDARD PACKAGING** | | | | | |
Roll Width | ft | MARV | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 |
Roll Length | ft | MARV | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 |
Roll Area | yd² | MARV | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 |

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**SIMILAR PRODUCTS IN THIS FAMILY:**

PRODUCT

PRODUCT

PRODUCT

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