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## Geotextile

Geotextiles are the most cost effective protection for your liner system due to their flexibility, cushioning strength, and durability.

Colorado Lining International can fabricate Geotextiles into large custom panels. We can supply you with your custom sized panels or facilitate a full installation with one of our certified installation crews. We want to work with you to make your job a success.

### Product Features:

- Excellent Protection Layer
- Extremely Durable
- Flexible
- Large Panel Fabrication
- Filter Fabric
- Available in 6, 8, 12, & 16+ ounces

### Uses & Applications:

- Liner Protection
- Dewatering Bags
- Separation Layer
- Filters: Tubes, Bags, Turbidity Curtains, & More

- *Project Photo: RMA Elf Cap in Commerce City, CO*
- *Geotextile Protection Layer For Landfill Cap*
- *1,263,600 SF Geotextile*





# Geotextile

## Product Data Sheet

PROPERTY		6oz	8oz	10oz	12oz	16oz
<b>Mechanical</b>						
<b>Mass/Unit Area (Typical)</b>	ASTM D-5261		8.0 oz/yd <sup>2</sup>			
<b>Tensile Strength (Grab)</b>	ASTM D-4632	160 lbs	205 lbs	250 lbs	300 lbs	380 lbs
<b>Elongation</b>	ASTM D-4632	50%	50%	50%	50%	50%
<b>Puncture</b>	ASTM D-4833	85 lbs	110 lbs	150 lbs	175 lbs	240 lbs
<b>CBR Puncture</b>	ASTM D-6241	410 lbs	525 lbs	625 lbs	825 lbs	1025 lbs
<b>Mullen Burst</b>	ASTM D-3786	280 psi	350 psi	460 psi	580 psi	750 psi
<b>Trapezoidal Tear</b>	ASTM D-4533	60 lbs	80 lbs	100 lbs	115 lbs	150 lbs
<b>Endurance</b>						
<b>UV Resistance% Retained at 500 hrs</b>	ASTM D-4355	70%	70%	70%	70%	70%
<b>Hydraulic</b>						
<b>Apparent Opening Size (AOS)<sup>3</sup></b>	ASTM D-4751	70 US Std. Sieve	80 US Std. Sieve	100 US Std. Sieve	100 US Std. Sieve	100 US Std. Sieve
<b>Permittivity</b>	ASTM D-4491	1.50 sec <sup>-1</sup>	1.50 sec <sup>-1</sup>	1.2 sec <sup>-1</sup>	1.0 sec <sup>-1</sup>	0.7 sec <sup>-1</sup>
<b>Water Flow Rate</b>	ASTM D-4491	110 gpm/ft <sup>2</sup>	110 gpm/ft <sup>2</sup>	85 gpm/ft <sup>2</sup>	75 gpm/ft <sup>2</sup>	50 gpm/ft <sup>2</sup>
<b>Roll Sizes</b>		12.5 ft x 360 ft 15 ft x 300 ft	12.5 ft x 360 ft 15 ft x 300 ft	15 ft x 300 ft	15 ft x 300 ft	15 ft x 300 ft

**NOTES:**

1. The property values listed above are effective 06/2009 and are subject to change without notice.
2. Values shown are in weaker principal direction. Minimum average roll values (MARV) are calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any samples taken from quality assurance testing will exceed the value reported.
3. Maximum average roll value.