GEOTEX SILT FENCE FABRICS



Geotex® silt fence fabrics offer a unique combination of ultraviolet (UV) resistance, strength and hydraulic properties making them ideal for use in sediment control applications. When attached to wood or metal posts and properly trenched into the soil, silt fence fabrics contain overland flow and filters suspended soil particles from water. This not only allows the water to drain efficiently, it also prevents environmental damage to areas next to construction sites. Plus, as sediment accumulates, the fabric's high tensile strength, UV resistance and low maintenance features ensure continued performance throughout the entire life of the project.

FEATURES & BENEFITS

- Contains additives for maximum UV resistance
- > Provides months of solid performance
- Unsurpassed Itration properties
- Reduced run-off velocities
- Minimal clearing and grubbing required for installation



PROPEX SILT GENCE Product family table

WOVEN SILT FENCE	NONWOVEN SILT FENCE
GEOTEX® 2127	GEOTEX® 351
GEOTEX 2130	
GEOTEX 2131	
GEOTEX 2134	
GEOTEX 2135	

APPLICATION RECOMMENDATIONS For geotex® silt fence

APPLICATION	ORGANIZATION/ REFERENCE#	PROPEX STYLE
Designed to meet the needs of the open-specification market for woven unsupported silt fence		2127
Offers the highest soil filtering efficiency and the lowest flow rate to meet requirements for unsupported silt fence	AASHTO M288-05 ASTM D-5141 VTM 51	2130
Black Monofilament woven fabric with a very high flow rate	AASHTO M288-05	2134
Orange monofilament woven fabric with a very high flow rate	AASHTO M288-05	2135
Nonwoven geotextile used when a supported nonwoven silt fence is required	AASHTO M288-05	351





GEOTEX® 351 is a polypropylene, staple fiber, needle-punched nonwoven geotextile produced by Propex, and will meet the following Minimum Average Roll Values (MARV) when tested in accordance with the methods listed below. The fibers are needled to form a stable network that retains dimensional stability relative to each other. The geotextile is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils.

GEOTEX® 351 conforms to the property values listed below¹. Propex performs internal Manufacturing Quality Control (MQC) tests that have been accredited by the Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP). This product is NTPEP tested for AASHTO standards.

		MARV ²		
PROPERTY	TEST METHOD	ENGLISH	METRIC	
ORIGIN OF MATERIALS				
% U.S. Manufactured		100%	100%	
MECHANICAL			·	
Grab Tensile Strength	ASTM D-4632	90 lbs	400 N	
Grab Elongation	ASTM D-4632	50%	50%	
CBR Puncture	ASTM D-6241	260 lbs	1157 N	
Trapezoidal Tear	ASTM D-4533	40 lbs	178 N	
ENDURANCE	-			
UV Resistance at 500 hrs	ASTM D-4355	70%	70%	
HYDRAULIC				
Apparent Opening Size (AOS) ³	ASTM D-4751	60 US Std. Sieve	0.250 mm	
Permittivity	ASTM D-4491	2.0 sec ⁻¹	2.0 sec ⁻¹	
Water Flow Rate	ASTM D-4491	150 gpm/ft ²	6112 l/min/m ²	
r		40.5.6.000.6		
		12.5 ft x 360 ft	3.81 m x 109.8 m	

NOTES:

ROLL SIZES⁴

1. The property values listed above are effective 12/17/2018 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. Values represent testing at time of manufacture.

3. Maximum average roll value.

4. Contact your local Territory Business Manager (TBM) for custom widths and colors. Lead times may vary depending on customer requirements and volume requested.



ENGINEERED EARTH SOLUTIONS[™]

15 ft x 360 ft

www.propexglobal.com

4.57 m x 109.8 m

Propex Operating Company, LLC · 4019 Industry Drive Chattanooga, TN 37416 · ph 800 621 1273 · ph 423 855 1466

ARMORMAX[®], PYRAMAT[®], LANDLOK[®], X3[®], PYRAWALL[®], SCOURLOK[®], GEOTEX[®], PETROMAT[®], PETROTAC[®], REFLECTEX[®], and GRIDPROTM are registered trademarks of Propex Operating Company, LLC. This publication should not be construed as engineering advice. While information contained in this publication is accurate to the best of our knowledge, Propex does not warrant its accuracy or completeness. The ultimate customer and user of the products should assume sole responsibility for the final determination of the suitability of the information and the products for the contemplated and actual use. The only warranty made by Propex for its product is set forth in our product data sheets for the product, or such other written warranty as may be agreed by Propex and individual customers. Propex specifically disclaims all other warranties, express or implied, including without limitation, warranties of merchantability or fitness for a particular purpose, or arising from provision of samples, a course of dealing or usage of trade.



GEOTEX® 2130 is a 100% polypropylene woven flat tape; silt fence fabric and will meet the AASHTO M-288 and ASTM D-4439 for silt fence and geotextile usage. This engineered fabric is stabilized to resist degradation due to ultraviolet exposure for a minimum of six months of the expected usable construction life at a temperature of 0 to 120 degrees Fahrenheit. It is resistant to commonly encountered soil chemicals, mildew, and insects, as well as non-biodegradable. Polypropylene is stable within a pH range of 2 to 13, making it one of the most stable polymers for geotextiles today.

GEOTEX® 2130 conforms to the property values listed below¹. Propex performs internal Manufacturing Quality Control (MQC) tests that have been accredited by the Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP). This product is NTPEP tested for AASHTO standards.

	MARV ²		
PROPERTY	TEST METHOD	ENGLISH	METRIC
MECHANICAL			
Grab Tensile Strength	ASTM D-4632	124 lbs	552 N
Grab Elongation	ASTM D-4632	15 x 20 %	15 x 20 %
Trapezoidal Tear	ASTM D-4533	60 lbs	267 N
ENDURANCE			
UV Resistance at 500 hrs	ASTM D-4355	80%	80%
HYDRAULIC			
Apparent Opening Size (AOS) ³	ASTM D-4751	30 US Std. Sieve	0.600 mm
Permittivity	ASTM D-4491	0.05 sec ⁻¹	0.05 sec ⁻¹
Water Flow Rate	ASTM D-4491	10 gpm/ft ²	407 l/min/m ²
		3.0 ft x 1500 ft	0.91 m x 457.3 m
		3.5 ft x 330 ft	1.07 m x 100.6 m

NOTES:

1. The property values listed above are effective 01/09/2019 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. Values represent testing at time of manufacture.

3. Maximum average roll value.

4. Contact your local Territory Business Manager (TBM) for custom widths and colors. Lead times may vary depending on customer requirements and volume requested.



ENGINEERED EARTH SOLUTIONS[™]

www.propexglobal.com

Propex Operating Company, LLC · 4019 Industry Drive Chattanooga, TN 37416 · ph 800 621 1273 · ph 423 855 1466

ARMORMAX[®], PYRAMAT[®], LANDLOK[®], X3[®], PYRAWALL[®], SCOURLOK[®], GEOTEX[®], PETROMAT[®], PETROTAC[®], REFLECTEX[®], and GRIDPROTM are registered trademarks of Propex Operating Company, LLC.

This publication should not be construed as engineering advice. While information contained in this publication is accurate to the best of our knowledge, Propex does not warrant its accuracy or completeness. The ultimate customer and user of the products should assume sole responsibility for the final determination of the suitability of the information and the products for the contemplated and actual use. The only warranty made by Propex for its products is set forth in our product data sheets for the product, or such other written warranty as may be agreed by Propex and individual customers. Propex specifically disclaims all other warranties, express or implied, including without limitation, warranties of merchantability or fitness for a particular purpose, or arising from provision of samples, a course of dealing or usage of trade.