



GEOTEX[®] 111F is a woven monofilament polypropylene geotextile and will meet the following Minimum Average Roll Values (MARV) when tested in accordance with the methods listed below. The individual filaments are woven into a regular network and calendared such that the filaments retain dimensional stability relative to each other. These characteristics make GEOTEX[®] 111F ideal for filtration applications beneath hard armor systems. The geotextile is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils.

GEOTEX[®] 111F 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.

| PROPERTY | TEST METHOD | MARV ² | |
|--|----------------------------|-------------------------|---------------------------|
| | | ENGLISH | METRIC |
| ORIGIN OF MATERIALS | | | |
| % U.S. Manufactured | | 100% | 100% |
| MECHANICAL | | | |
| Grab Tensile Strength | ASTM D-4632 | 365 x 200 lbs | 1624 x 890 N |
| Grab Elongation | ASTM D-4632 | 24 x 10 % | 24 x 10 % |
| CBR Puncture | ASTM D-6241 | 675 lbs | 3003 N |
| Trapezoidal Tear | ASTM D-4533 | 115 x 75 lbs | 512 x 334 N |
| ENDURANCE | | | |
| UV Resistance at 500 hrs | ASTM D-4355 | 90% | 90% |
| HYDRAULIC | | | |
| Apparent Opening Size (AOS) ³ | ASTM D-4751 | 40 US Std. Sieve | 0.425 mm |
| Percent Open Area | CW-02215 MOD. ⁴ | 10% | 10% |
| Permittivity | ASTM D-4491 | 2.10 sec ⁻¹ | 2.10 sec ⁻¹ |
| Water Flow Rate | ASTM D-4491 | 145 gpm/ft ² | 5908 l/min/m ² |
| ROLL SIZES⁵ | | 12.5 ft x 300 ft | 3.81 m x 91.5 m |

NOTES:

- The property values listed above are effective 12/17/2018 and are subject to change without notice.
- 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.
- Maximum average roll value.
4. Army Corp of Engineers test method correlated to light emitted through fabric. (Area of Openings/Total Area X 100%)
- 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[™]

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