



ADS GEOSYNTHETICS 111F WOVEN GEOTEXTILE

Scope

This specification describes ADS Geosynthetics 111F woven geotextile.

Filter Fabric Requirements

ADS Geosynthetics 111F is manufactured using high tenacity monofilament polypropylene yarns that are woven to form a dimensionally stable network, which allows the yarns to maintain their relative position. ADS Geosynthetics 111F resists ultraviolet deterioration, rotting and biological degradation and is inert to commonly encountered soil chemicals. ADS Geosynthetics 111F conforms to the physical property values listed below:

Filter Fabric Properties

PROPERTY	TEST METHOD	ENGLISH M.A.R.V. (Minimum Average Roll Value)	METRIC M.A.R.V. (Minimum Average Roll Value)
Tensile Strength (Grab)	ASTM D-4632	370 x 200 lbs	1647 x 890 N
Elongation	ASTM D-4632	15%	15%
Puncture	ASTM D-4833	90 lbs	401 N
Mullen Burst	ASTM D-3786	450 psi	3100 kPa
Trapezoidal Tear	ASTM D-4533	115 x 75 lbs	512 x 334 N
UV Resistance (at 500 hrs)	ASTM D-4355	90%	90%
Apparent Opening Size (AOS)*	ASTM D-4751	40 US Std. Sieve	0.425 mm
Percent Open Area (POA)	COE-02215	10%	10%
Permittivity	ASTM D-4491	2.1 sec ⁻¹	2.1 sec ⁻¹
Water Flow Rate	ASTM D-4491	145 gpm/ft ²	5907 l/min/m ²
Roll Sizes		6' x 300' 12' x 300'	1.83 m x 91.5 m 3.65 m x 91.5 m

*Maximum average roll value.