



## ADS GEOSYNTHETICS 270HP WOVEN GEOTEXTILE

### Scope

This specification describes ADS Geosynthetics 270HP woven geotextile.

### Filter Fabric Requirements

ADS Geosynthetics 270HP is manufactured using high tenacity polypropylene yarns that are woven to form a dimensionally stable network, which allows the yarns to maintain their relative position. ADS Geosynthetics 270HP resists ultraviolet deterioration, rotting and biological degradation and is inert to commonly encountered soil chemicals. ADS Geosynthetics 270HP 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)
Wide Width Tensile	ASTM D-4595	2640 x 2460 lbs/ft	38.5 x 35.9 kN/m
Wide Width Tensile (2% Strain)	ASTM D-4595	480 x 588 lbs/ft	7.0 x 8.6 kN/m
Wide Width Tensile (5% Strain)	ASTM D-4595	1212 x 1356 lbs/ft	17.7 x 19.8 kN/m
Wide Width Tensile (10% Strain)	ASTM D-4595	2340 x 2412 lbs/ft	34.1 x 35.2 kN/m
UV Resistance (at 500 hrs)	ASTM D-4355	80%	80%
Apparent Opening Size (AOS)*	ASTM D-4751	30 US Std. Sieve	0.6 mm
Permittivity	ASTM D-4491	.70 sec <sup>-1</sup>	.70 sec <sup>-1</sup>
Permeability	ASTM D-4491	.04 cm/sec	.04 cm/sec
Water Flow Rate	ASTM D-4491	50 gpm/ft <sup>2</sup>	2037 l/min/m <sup>2</sup>
Roll Sizes		15' x 300'	4.6 m x 91.5 m

\*Maximum average roll value.