



ADS GEOSYNTHETICS 570HP WOVEN GEOTEXTILE

Scope

This specification describes ADS Geosynthetics 570HP woven geotextile.

Filter Fabric Requirements

ADS Geosynthetics 570HP 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 570HP resists ultraviolet deterioration, rotting and biological degradation and is inert to commonly encountered soil chemicals.

Filter Fabric Properties

PROPERTY	TEST METHOD	M.A.R.V. ENGLISH (Minimum Average Roll Value)	M.A.R.V. METRIC (Minimum Average Roll Value)
Tensile Strength (Grab)	ASTM D4632	475 x 440 lbs	2114 x 1958 N
Elongation (Grab)	ASTM D4632	15% x 15%	15% x 15%
Trapezoidal Tear Strength	ASTM D4533	200 x 200 lbs	890 x 890 N
CBR Puncture	ASTM D6241	2,200 lbs	9,790 N
Wide Width Tensile	ASTM D4595	5,000 x 5,200 lbs/ft	73 x 75.9 kN/m
Wide Width Tensile at 2% Strain	ASTM D4595	1,050 x 1,510 lbs/ft	15.32 x 22 kN/m
Wide Width Tensile at 5% Strain	ASTM D4595	2,700 x 3,000 lbs/ft	39.4 x 43.8 kN/m
Wide Width Tensile at 10% Strain	ASTM D4595	4,800 x ---- lbs/ft	70.1 x ---- kN/m
UV Resistance (500 hrs)	ASTM D4355	80%	80%
Apparent Opening Size*	ASTM D4751	30 US Std. Sieve	0.60 mm
Permittivity	ASTM D4491	.40 sec ⁻¹	.40 sec ⁻¹
Permeability	ASTM D4491	.05 cm/sec	.05 cm/sec
Water Flow Rate	ASTM D4491	30 gpm/ft ²	1222 l/min/m ²

*Maximum average roll value.

PROPERTY	TYPICAL ENGLISH	TYPICAL METRIC
Roll Dimensions	15 ft x 300 ft	4.6 m x 91.5 m
Roll Area	500 yd ²	