



ADS GEOSYNTHETICS 770HP WOVEN GEOTEXTILE

Scope

This specification describes ADS Geosynthetics 770HP woven geotextile.

Filter Fabric Requirements

ADS Geosynthetics 770HP 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 770HP resists ultraviolet deterioration, rotting and biological degradation and is inert to commonly encountered soil chemicals.

Filter Fabric Properties

PROPERTY	TEST METHOD	ENGLISH M.A.R.V. (Minimum Average Roll)	METRIC M.A.R.V. (Minimum Average Roll)
Wide Width Tensile	ASTM D4595	8,500 x 6,000 lbs/ft	138.6 x 87.5 kN/m
Wide Width Tensile (2% strain)	ASTM D4595	1,370 x 1,560 lbs/ft	20 x 22.8 kN/m
Wide Width Tensile (5% Strain)	ASTM D4594	3,600 x 3,600 lbs/ft	52.5 x 52.5 kN/m
Wide Width Tensile (10% strain)	ASTM D4595	7,000 x 6,000 lbs/ft	102.1 x 87.5 kN/m
UV Resistance (500 hours)	ASTM D4355	80%	80%
Apparent Opening Size (AOS)*	ASTM D4751	30 US Std. Sieve	0.60 mm
Permittivity	ASTM D4491	.23 sec-1	.23 sec-1
Permeability	ASTM D4491	.04 cm/sec	.04 cm/sec
Water Flow Rate	ASTM D4491	15 gpm/ft ²	611 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	418 m ²