



ADS 270HP WOVEN GEOTEXTILE SPECIFICATION

Scope

This specification describes ADS 270HP woven geotextile.

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ADS 270HP woven geotextile 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 270HP resists ultraviolet deterioration, rotting and biological degradation and is inert to commonly encountered soil chemicals. ADS 270HP conforms to the physical property values listed below:

Filter Fabric Properties

Property ¹	Test Method	Unit	M.A.R.V. (Minimum Average Roll Value) ²
Wide Width Tensile	ASTM D4595	lbs/ft (kN/m)	2640 x 2460 (38.5 x 35.9)
Wide Width Tensile (2% Strain)	ASTM D4595	lbs/ft (kN/m)	480 x 588 (7.0 x 8.6)
Wide Width Tensile (5% Strain)	ASTM D4595	lbs/ft (kN/m)	1212 x 1356 (17.7 x 19.8)
Wide Width Tensile (10% Strain)	ASTM D4595	lbs/ft (kN/m)	2340 x 2412 (34.1 x 35.2)
UV Resistance (at 500 hours)	ASTM D4355	%	80
Apparent Opening Size (AOS)*	ASTM D4751	U.S. Std. Sieve (mm)	30 (0.6)
Permittivity	ASTM D4491	sec ⁻¹	.70
Permeability	ASTM D4491	cm/sec	.04
Water Flow Rate	ASTM D4491	gpm/ft ² (l/min/m ²)	50 (2037)
Roll Sizes	-	ft (m)	15 x 300 (4.6 x 91.5)

* Maximum average roll value