



## ADS 570HP WOVEN GEOTEXTILE SPECIFICATION

### Scope

This specification describes ADS 570HP woven geotextile.

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ADS 570HP 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 570HP resists ultraviolet deterioration, rotting and biological degradation and is inert to commonly encountered soil chemicals. ADS 570HP conforms to the physical property values listed below:

### Filter Fabric Properties

Property <sup>1</sup>	Test Method	Unit	M.A.R.V. (Minimum Average Roll Value) <sup>2</sup>
Tensile Strength (Grab)	ASTM D4632	lbs (N)	475 x 440 (2114 x 1958)
Elongation (Grab)	ASTM D4632	%	15 x 15
Trapezoidal Tear Strength	ASTM D4533	lbs (N)	200 x 200 (890 x 890)
CBR Puncture	ASTM D6241	lbs (N)	2200 (9790)
Wide Width Tensile	ASTM D4595	lbs/ft (kN/m)	5000 x 5200 (73 x 75.9)
Wide Width Tensile (2% Strain)	ASTM D4595	lbs/ft (kN/m)	1050 x 1510 (15.32 x 22)
Wide Width Tensile (5% Strain)	ASTM D4595	lbs/ft (kN/m)	2700 x 3000 (39.4 x 43.8)
Wide Width Tensile (10% Strain)	ASTM D4595	lbs/ft (kN/m)	4800 (70.1)
UV Resistance (500 hours)	ASTM D4355	%	80
Apparent Opening Size (AOS)*	ASTM D4751	U.S. Std. Sieve (mm)	30 (0.60)
Permittivity	ASTM D4491	sec <sup>-1</sup>	.40
Permeability	ASTM D4491	cm/sec	.05
Water Flow Rate	ASTM D4491	gpm/ft <sup>2</sup> (l/min/m <sup>2</sup> )	30 (1222)

\* Maximum average roll value

### Packaging

Roll Dimensions (W x L) - ft. (m)	15 x 300 (4.6 x 91.5)
Roll Square Yards (Square Meters)	500 (418)