ADS 2300W WOVEN GEOTEXTILE SPECIFICATION

Scope

This specification describes ADS 2300W woven geotextile.

Filter Fabric Requirements

ADS 2300W is manufactured using high-tenacity monofilament polypropylene yarns that are woven to form a dimensionally stable network, which allows the yarns to maintain their relative position. ADS 2300W resists ultraviolet deterioration, rotting and biological degradation and is inert to commonly encountered soil chemicals. ADS 2300W conforms to the physical property values listed below:

Filter Fabric Properties

Property	Test Method	Unit	M.A.R.V. (Minimum Average Roll Value)[2]
Grab Tensile	ASTM D4632	lbs (N)	400 x 335 (1780 x 1491)
Grab Tensile Elongation	ASTM D4632	%	20 x 15
Trapezoidal Tear Strength	ASTM D4533	lbs (N)	145 x 125 (645 x 556)
Puncture Strength	ASTM D4833	lbs (N)	125 (560)
Mullen Burst	ASTM D3786	psi (kPa)	725 (4990)
Wide Width Tensile	ASTM D4595	lbs/ft (kN/m)	2760 x 2700 (400.3 x 39.4)
UV Resistance (at 500 hours)	AsTM D4355	%	90
Percent Open Area (POA)	COE-02215	%	8
Apparent Opening Size (AOS)*	ASTM D4751	U.S. Std. Sieve (mm)	30 (.6)
Permittivity	ASTM D4491	sec^{-1}	1.5
Permeability	ASTM D4491	cm/sec	.13
Water Flow Rate	ASTM D4491	gpm/ft^2 (lpm/m^2)	115 (4685)
Mass/Unit Area	ASTM D5261	oz/yd^2 (g/m^2)	8 (271)
Thickness	ASTM D5199	mils (mm)	35 (.9)

* Maximum average roll value.

Packaging

Roll Dimensions (W x L) - ft. (m)	15 x 300 (4.5 x 91.5)
Roll Area yd^2 (m^2)	500 (418)
Estimated Roll Weight lbs (kg)	221 (100)