



ADS GEOSYNTHETICS 200W WOVEN GEOTEXTILE

Scope

This specification describes ADS Geosynthetics 200W woven geotextile.

Filter Fabric Requirements

ADS Geosynthetics 200W 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 200W resists ultraviolet deterioration, rotting and biological degradation and is inert to commonly encountered soil chemicals. ADS Geosynthetics 200W conforms to the physical property values listed below:

Filter Fabric Properties

PROPERTY	TEST METHOD	ENGLISH M.A.R.V. (Minimum Average Roll Value)	METRIC M.A.R.V. (Minimum Average Roll Value)
Tensile Strength (Grab)	ASTM D-4632	200 lbs	890 N
Elongation	ASTM D-4632	15%	15%
CBR Puncture	ASTM D-6241	700 lbs	3115 N
Puncture	ASTM D-4833	90 lbs	400 N
Mullen Burst	ASTM D-3786	400 psi	2756 kPa
Trapezoidal Tear	ASTM D-4533	75 lbs	330 N
UV Resistance (at 500 hrs)	ASTM D-4355	70%	70%
Apparent Opening Size (AOS)*	ASTM D-4751	40 US Std. Sieve	0.425 mm
Permittivity	ASTM D-4491	.05 sec ⁻¹	.05 sec ⁻¹
Water Flow Rate	ASTM D-4491	5 gpm/ft ²	204 l/min/m ²
Roll Sizes		12.5' x 432' 15.0' x 360' 17.5' x 309'	3.81 m x 131.7 m 4.57 m x 109.8 m 5.33 m x 94.2 m

*Maximum average roll value.