



Erosion Protection



Reinforcement



Separation

## ADS GEOSYNTHETICS 350/150 GEOCELL SPECIFICATION

### Scope

This specification describes ADS Geosynthetics 350/150 geocell.

### Geotextile Properties

Property (MARV <sup>1</sup> )	Test Method	Unit	Typical Roll Value
Grab Tensile Strength	ASTM D4632	lbs (N)	360 (1600)
Trapezoid Tear	ASTM D4533	lbs (N)	149 (663)
Grab Elongation	ASTM D4632	%	>50
Puncture Strength	ASTM D4833	lbs (N)	114 (510)
CBR	ASTM D6241	lbs (N)	435 (1939)
UV Resistance @ 500 hours	ASTM D4355	%	70
Apparent Opening Size <sup>2</sup>	ASTM D4751	US Sieve	200
Permittivity	ASTM D4491	Sec <sup>-1</sup>	0.6

### Geocell Properties

Property	Test Method	Unit	Typical Roll Value
Cell Diameter		in (mm)	13.8 (350)
Cell Depth		in (mm)	6 (150)
Panel Size L x W (nominal)		ft (m)	16 x 24 (5 x 7)
Panel Area		ft <sup>2</sup> (m <sup>2</sup> )	384 (35)
Weight		lbs (kg)	38 (17.2)
Cell Wall Tensile Strength	ASTM D4597	lb (kN/m) Ultimate Strength	911 (26.7)
Cell Wall Tensile Strength	ASTM D4597	lb (kN/m) 2%	175 (5.1)
Cell Wall Tensile Strength	ASTM D4597	lb (kN/m) 5%	335 (9.8)
Cell Wall Tensile Strength	ASTM D4597	lb (kN/m) 10%	548 (16.0)
Seam Peel Strength ('T' Peel)		lb (N)	664 (2951)

#### NOTES:

1. Minimum Average Roll Values (MARV) in the weaker principal direction.
2. O<sub>95</sub> Max. ARV
3. All testing completed by a third party ASTM certified laboratory.
4. The above values represent mean process performance based on full width doff average values to 2-sigma. This information is to be used as a reference only and does not represent any performance guarantee nor is it an implied specification.