



Erosion Protection



Reinforcement



Separation

ADS GEOSYNTHETICS 250/100 GEOCELL SPECIFICATION

Scope

This specification describes ADS Geosynthetics 250/100 geocell.

Geotextile Properties

Property (MARV ¹)	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 ²	ASTM D4751	US Sieve	200
Permittivity	ASTM D4491	Sec ⁻¹	0.6

Geocell Properties

Property	Test Method	Unit	Typical Roll Value
Cell Diameter		in (mm)	9.8 (250)
Cell Depth		in (mm)	4 (100)
Panel Size L x W (nominal)		ft (m)	16 x 24 (5 x 7)
Panel Area		ft ² (m ²)	384 (35)
Weight		lbs (kg)	38 (17.2)
Cell Wall Tensile Strength	ASTM D4597	lb (kN/m) Ultimate Strength	607 (26.7)
Cell Wall Tensile Strength	ASTM D4597	lb (kN/m) 2%	116 (5.1)
Cell Wall Tensile Strength	ASTM D4597	lb (kN/m) 5%	223 (9.8)
Cell Wall Tensile Strength	ASTM D4597	lb (kN/m) 10%	365 (16.0)
Seam Peel Strength ('T' Peel)		lb (N)	442 (1967)

NOTES:

1. Minimum Average Roll Values (MARV) in the weaker principal direction.
2. O₉₅ 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.