ADS GEOSYNTHETICS 220/200 GEOCELL SPECIFICATION

Scope

This specification describes ADS Geosynthetics 220/200 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)	8.6 (220)
Cell Depth		in (mm)	8 (200)
Panel Size L x W (nominal)		ft (m)	10 x 20 (3 x 6)
Panel Area		ft^2 (m^2)	200 (18)
Weight		lbs (kg)	44 (19.9)
Cell Wall Tensile Strength	ASTM D4597	lb (kN/m) Ultimate Strength	1214 (26.7)
Cell Wall Tensile Strength	ASTM D4597	lb (kN/m) 2%	233 (5.1)
Cell Wall Tensile Strength	ASTM D4597	lb (kN/m) 5%	446 (9.8)
Cell Wall Tensile Strength	ASTM D4597	lb (kN/m) 10%	730 (16.0)
Seam Peel Strength ('T' Peel)		lb (N)	885 (3934)

NOTES:

1. Minimum Average Roll Values (MARV) in the weaker principal direction.
2. O_{96} 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.