VODALAND

SPECIFICATION SHEET

GEOCELL 100

4" (100mm) EROSION CONTROL GRID

General: Vodaland Geocell are manufactured from perforated strips that make up a web of interconnected cells. The cells are fused using ultrasonic plastic welding. The erosion control cells can be filled with gravel or soil depending on the application. Applications include but are not limited to protection and stabilization of steep slope surfaces, conservation of terrain, load support on weak surfaces, and aggregate and soil retainment.

Material: HDPE
Number of strips: 40
Weld spacing: 220mm
Cell density: 19 cell per meter squared

Physical properties:

Parameter	Units	Value
Cell depth	inches (mm)	4 (100)
Nominal - expanded cell size (width x length)	inches (mm)	11.8 x 12.6 (300 x 320)
Nominal - expanded cell area	ft^2 (mm^2)	0.516452 (0.04798)
Nominal - expanded panel size (width x length)	ft (m)	19.68 x 8.36 (6 x 2.55)
Nominal - expanded panel area	ft^2 (m^2)	164.7 (15.3)

Material properties:

Parameter	Units	Value	Test method
Tensile strength	kN/m	21.1	ISO 10319
Relative elongation to the yield point	%	20.1	ISO 10319
Tensile strength of the tape	kN/100mm	2.11	ISO 10319
Tensile strength of the tape (perforated)	kN/100mm	1.21	ISO 10319
Weld strength	kN/100mm	1.84	ISO 13426-1 Method A
Weld strength	kN/100mm	0.71	ISO 13426-1 Method B
Nominal sheet thickness	in (mm)	0.06 (1.5 ± 0.2)	–

Description

Name	Article	H, in	H, mm
Geocell 100	8710	4	100

Geocell accessories

Name	Article
Geocell anchor	8970-M
Geotextile NT15	860115-183-U
J-Hook rebar anchor	1930

Notes:

* Use gravel fill for driving applications (3/4" gravel recommended)
* Use soil and grass for erosion control applications

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