

Geocell

Geosynthetic Product Specification

Technical specifications for Geocell, including available product grades and stated parameters.

TECHNICAL SPECIFICATIONS

Product types / Smooth and Not Perforated, Smooth and Perforated

Property	Unit	Smooth and Not Perforated	Smooth and Perforated
Thickness	mm	1.0-1.4	1.0-1.4

Product types / Textured and Not Perforated, Textured and Perforated

Property	Unit	Textured and Not Perforated	Textured and Perforated
Thickness	mm	1.5-1.7	1.5-1.7

Product types / shared values for all listed grades

Property	Unit	Specification / Value
Height	mm	$50 \leq H \leq 250$
Welding Distance	mm	$330 \leq A \leq 1000$
Tensile Strength of Welding Points	N/cm	≥ 100
Tensile Strength of Connection of Cells	N/cm	≥ 120
Tensile Strength at Yield of Each Sheet	Mpa	≥ 20

High Density Polyethylene Geocell / specific model

Property	100-685 Textured and Perforated	Test Method
Specification	100-685 Textured and Perforated	
Wall height	100mm	
Weld spacing	685mm	
Carbon black content	≥1.5%	ASTM D1603
Seam peeling strength	≥1.42KN/m	
Expanded unit size	508mm×475mm	
Expanded size	5.08 m x 14.25 m	
Width	5.08m	
Length	14.25m	
Section area	72.39m2	
Load Quantity	40HC Load 52000 square metres, 718 pieces.	

Test-method references are reproduced from the available product data.

Technical disclaimer

Specifications shown in this document are based on the available product data for the listed grade or series. Final specifications, dimensions and documentation should be confirmed according to the selected product and project requirements.