

G-Cell HDPE Range Products HDPE Geocell

Technical Data Sheet

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G-Cell is an innovative erosion and sediment control product that provides cost effective solutions for ground stabilization, erosion control and earth retention. G-Cell is a lightweight and flexible cellular structure made of polyethylene strips which are ultrasonically bonded together to form an extremely strong configuration.



Physical properties

Properties	Units	Standard	Large
Weld spacing	mm	330	660
Cell depth	mm	50, 75, 100, 150, 200, 300	50, 75, 100, 150, 200, 300
Unexpanded panel size	m	3.19×0.120×panel depth	3.19×0.120×panel depth
Expanded panel size	m	2.44×6.1	2.44×6.1
Panel weight (per 100mm depth)	kg	Max25kg	Max12.5kg
Effective coverage area	m ²	18	18
Aperture size	mm	240×205	485×405

Polymer Properties

Properties	Units	Standard	Specification
Color			
Polymer			Polyethylene
Density	g/cm ³	ASTN D 1505	0.939-0.960
Sheet thickness	mm	ASTM D 5199	≥1.1
Carbon black content	% by weight		Min 2%
Peel strength AS 3706.6(modified)	N/10cm		≥1400
Approx Load Q'ty per 40 HQ	tonne		23

Above values are on an average basis, the data was obtained from in-house test laboratory, National test institutes and international test institutes. GEO-LINK keeps the right of data changes and the final explanation right. Liability Exclusion: This publication should not be construed as engineering advice. While information contained here is accurate to the best of our knowledge, GEO-LINK does not warrant its accuracy or completeness. The only warranty made by GEO-LINK for its products is set forth in our Product Test Report accompanies our shipment of the products, or such other written warranty as may be agreed by GEO-LINK and customer. GEO-LINK specifically disclaims all other warranties, express or implied, including without agreed by GEO-LINK and customer. GEO-LINK specifically disclaims all other warranties, express or implied, including without limitation, warranties of merchantability or fitness for a particular purpose, or rising from provision of samples, a course of dealing or usage of trade.

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