

ECOCELL is a three-dimensional honeycomb-like cellular confinement system primarily used for load support system primarily used for load support, slope protection, earth retention systems and channel protection systems.

Material properties		
Polymer density (ASTM D 1505)	g/cm <sup>3</sup>	0.935-0.965
Environmental stress crack resistance (ASTM D 1693)	hrs	>5000
Carbon black content	%	min. 1.5
Nominal sheet thickness <sup>1</sup> (post texturing) (ASTM D 5199)(-5%+10%)	mm	min. 1.2
Base Material	Virgin polymers with additives	
Texture	Polyethylene strip consists of multiple rhomboidal indentations, over the entire strip area on both sides of the strip. The indentations have a surface density of 18to 33 per cm <sup>2</sup>	
Perforations	Polyethylene strip is perforated with horizontal rows of maximum 10 mm diameter holes. Cell perforations area is less than 13% of cell surface area	

Cell/Section properties			
Property		Unit	EW712
Weld spacing (±3%)		mm	712
Expanded cell	Width	mm	508
Dimensions (± 3%)	Length	mm	475
Expanded cell area (± 3%)		cm <sup>2</sup>	1206
Nominal expanded	Width	m	3.6
Section2 (± 3%)	Length	m	14.3
Nominal expanded Section area (± 3%)		m <sup>2</sup>	52.0
<b>Seam Properties</b>		<b>Cell depth</b>	
		mm	300
<b>Seam peel strength</b> (US ACE Technical report, GL-86-19)		N	4260