

ECO-CELL PRODUCT DATA SHEET-GRADE A

Mechanical Properties

Polymer Density (ASTMD 1505)	g/cm ³	0.935-0.965
Environmental Stress Crack Resistance (ASTM D 1693-B)	Hours	>3000
Carbon Black Content (ASTM D 1603)	%	1.5-2.0
Nominal Sheet Thickness (post texturing)(ASTM D 5199)	mm	Min. 1.2
Material	Compound of various polyethylene and additives	
Texture	Polyethylene strip consists of multiple rhomboidal indentations	
Perforations	Polyethylene strip is perforated with horizontal rows of Maximum 10mm diameter holes. Cell perforation area is less than 12% of the cell surface area.	

Cell and Section Properties

Property	Unit	IC712
Weld Spacing (±3%)	mm	712
Expanded cell dimensions (±3%)	Width	508
	Length	475
Expanded Section area (+3%)	Width	2.56
	Length	13.72
Expanded Section area (+3%)	M ²	35.1

Cell Depths for all Weld Spacing Grades mm	75	100	125	150	200	250	300
Seam Peel Strength [^] +5%)	N 600	800	1000	1200	1600	2000	2400

(US ACE technical report, GL-86-19)

Notes

- Section length can be customized as per site requirements
- The above properties might change at the time of the manufacturing, storing, handling or shipping
- The above values are subject to change as per the discretion of the company