

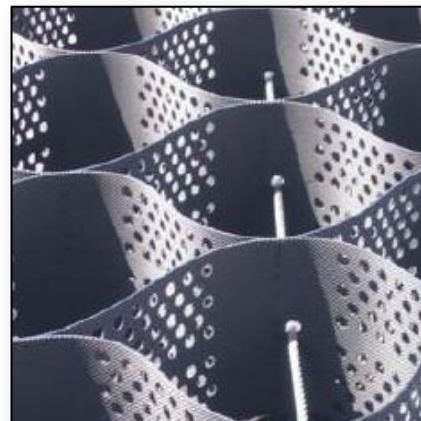
GardNet®

GENERAL DESCRIPTION

GardNet® is an expandable polyethylene sheet strip assembly, connected by a series of offset, full-depth, ultrasonic welded seams aligned perpendicular to longitudinal axis of strips which, when expanded, form walls of a flexible, 3-dimensional, cellular confinement system.

BASIC USE

GardNet® is typically used for confinement of LiteTop® growing media on sloped Garden Roof Assembly® applications.



AVANTAGES

- Restrains LiteTop® growing media on slopes >3 :12.
- Allows for free drainage of excess water/moisture.
- Materials are resistant to all known naturally occurring earth salts and minerals.

TECHNICAL DATA

PHYSICAL PROPERTIES

METHODE

RESULTS

PHYSICAL PROPERTIES	METHODE	RESULTS
Color		Black
Cell wall thickness (mm/in.)	ASTM D5199	1.27 / 0.05 (-5, +10%)
Sheet strip height (mm/in.)		75, 100, 150 / 3, 4, 6
Expanded Cell Dimension (mm/in.) (nom.)		320 W x 287 L / 12.6 x 11.3
		13.3 / 143 – 18 cell
		15.5 / 167 – 21 cell
Section Coverage(sq. m/sq.ft)		18.4 / 198 – 25 cell
		21.4 / 230 – 29 cell
		25.0 / 270 – 34 cell
Polyethylene Density (g/cubic cm/ Lb. /cubic ft.)	ASTM D1505	0.935 – 0.965 / 58.4 – 60.2
Polyethylene Environmental Stress Crack Resistance (ESCR)	ASTM D1693	3,000 hours
Seam Peel Strength (N/ Lb.-Force)		1,060 / 240 – strip of 3 in.
		1,420 / 320 – strip of 4 in.
		2,130 / 480 – strip of 6 in.
Seam Hang Strength (Kg/ Lb.) (7 Days/1 Hr. temp. cycling – ambient to 160°F)	ASTM E41	72.5 / 160
Carbon Black content (%)		1.5 – 2.0

LEED INFORMATION

	Credit 4	Credit 5
Recycled Content (% by weight)		
Manufacture Location		
Extraction/Harvesting Location		
VOC Content (g/L)		

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