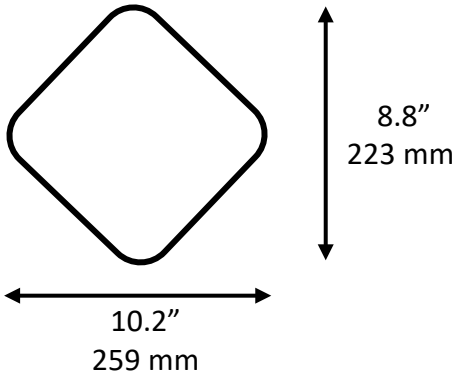
LSG SERIES®
LOAD SUPPORT GRID

Load Support Grid

Cell Detail



Manufactured Cell Depths

3”	75 mm
4”	100 mm
6”	150 mm

Weld Distance: 14”

Expanded Unit Dimensions
8’ x 22.5’ (2.44 m x 6.86 m)

Material Specifications

Properties	Test Method	Test Value
Material Composition	ASTM D1505	Polymer; virgin HDPE Density: 0.9574 g/cm³
Nominal Sheet Thickness	ASTM D5199	1.45 mm
Environmental Stress Crack Resistance	ASTM D1693	>6,000 Hrs.
Environmental Stress Crack Resistance	ASTM D5397	>400 Hrs.
Stabilizer	ASTM E682	Hindered amine light stabilizer (HALS) 1.0% by weight
Short Term Seam Peel Strength	3” (75 mm) 4” (100 mm) 6” (150 mm)	1065 N 1542 N 2170 N
Long Term Seam Peel Strength	A 100 mm (4inch) wide section sample shall support a (160 lb.) load for a period of 7 days (168 hrs.) minimum in a temperature controlled environment undergoing a temperature change on a 1 hour cycle from ambient room temperature to (130° F)	

Product Description

Item Code	Cell Depth	Expanded Unit Dimensions	Area / Unit	Pallet Qty
LSG-3inch	3” (75 mm)	8’ x 22.5’ (2.44 m x 6.86 m)	180 SF	24
LSG-4inch	4” (100 mm)	8’ x 22.5’ (2.44 m x 6.86 m)	180 SF	18
LSG-6inch	6” (150 mm)	8’ x 22.5’ (2.44 m x 6.86 m)	180 SF	12

CELL-TEK® LLC
Geosynthetics

Cell-Tek Geosynthetics, LLC
809 Barkwood Court, Suite M, Linthicum Heights, Maryland 21090 U.S.A.
Tel: 410-721-4844 | Fax: 410-721-3844
info@celltekdirect.com | www.celltekdirect.com