EGA 30

EnviroGrid® Adjustable Series

EnviroGrid® adjustable series is designed to provide more flexibility in section size. Section and cell size will change as each section is expanded to the required dimension. Section length can be increased or decreased by adding or subtracting cells at no additional charge.

EGA Series Nomenclature:

EGA**XAYPT** - **NC**

(**XA**) Nominal Panel Length in feet (20, 30 & 40)
(**Y**) Cell Depth in Inches (3, 4, 6, 8, 10 & 12)
(**P**) Perforated (**T**) Textured
(**NC**) number of cells long

Example: EGA**304PT**-**29**

EGA **30 ft panel length**, **4-inch cell depth**, **perforated and textured**, **29-cell section length**. Standard sections are manufactured from 58 strips of HDPE, resulting in a section length of 29 cells and 8 cells wide. Each strip is the appropriate width and 142 inches (3.6 m) in length. Weld spacing is 17.5 in ± .12 in (446 ± 3 mm). Cell density is 22 cells per meter squared. Cell walls are textured and if perforations are required 16% ± 3% of the cell wall is removed.

MATERIAL CHARACTERISTICS	TEST METHOD	UNIT	DATA
Minimum Polymer Density	ASTM D-1505	g/cm3 (lb/ft3)	0.935-0.965 (58.4-60.2)
Environmental Stress Crack Resistance	ASTM D-5397	hrs	>400
Environmental Stress Crack Resistance	ASTM D-1693	hrs	6,000
Carbon Black Content	ASTM D-1603	% by weight	1.5% Minimum
Nominal Sheet Thickness (before texturing)	ASTM D-5199	mm (mils)	1.25 (50) -5% +10%
Nominal Sheet Thickness (after texturing)	ASTM D-5199	mm (mils)	1.52 (60) -5% +10%

PHYSICAL PROPERTIES	UNIT	TYPICAL VALUE			
Nominal Expanded Cell Size (width x length)	mm (in)	320 (12.6) x 287 (11.3)			
Nominal Expanded Cell Area	cm2 (in2)	460 (71.3)			
Nominal Expanded Section (width x length)	m (ft)	2.56 (8.4) x 8.35 (27.4)			
Nominal Expanded Section Area (width x length)	m2 (ft2)	21.4 (230)			
Cell Depth	mm (in)	75 (3)	100 (4)	150 (6)	200 (8)
Seam Peel Strength	N (lbs)	1,065 (240)	1,420 (320)	2,130 (480)	2,840 (640)
Section Weight	Kg (lbs)	19.5 (43)	25.9 (57)	39 (86)	51.7 (114)
Sections Per Pallet		60	50	30	25
Seam Hang Strength		A 102 mm (4.0 in) weld joint supporting a load of 72.5 kg (160 lbs) for 30 days minimum or a 102 mm (4.0 in) weld joint supporting a load of 72.5 kg (160 lbs) for 7 days minimum while undergoing temperature change from 23o C (74o F) to 54o C (130o F) on a 1 hour cycle.			

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