



Stabilizing an unstable world!

Neoweb™ Material Specification v5/2007

	Property	Description			Test Method		
Material	Material Composition	Polymer – Polyethylene with density of 0.95 g/cm ³ (±1.5%)			ASTM D 1505		
	Color	Black – from Carbon Black	Tan, Green, Other Colors with no heavy metal content		N/A		
	UV Stabilizers	Carbon black content 2.5% by weight	Hindered Amine Light Stabilizer (HALS) 1.0% by weight		N/A		
	ESCR	>5000 hr			ASTM D 1693		
Strip Properties	Surface Treatment	All Neoweb™ Systems are available perforated or non- perforated	Texturing Surface texturing consists of a multitude of rhomboidal indentations, over the entire strip area, at a surface density of 22-31 cm ² and depth of 0.35-0.85 mm.	Perforations The polyethylene strips shall be perforated with horizontal rows of 10 mm diameter holes. Perforations within each row shall be 19 mm on center. Horizontal rows shall be staggered and separated 12 mm relative to the hole centers. Outer perforation centers shall be at least 6 mm from the strip edges. The total open area is up to 16% (±10%) of the cell wall area (dependent on cell dimensions).			
	Strip Thickness	1.53 mm (± 10%)			ASTM D 5199		
Cell / Section Nominal Dimensions	Cell Dimensions	Weld Spacing (±2.5 mm)	Cell Dimensions at recommended openings +3%			Section Dimensions at recommended openings +3%	
			Cell Size (mm)	Cell Depth (mm)	No. of Cells/m²	Section (m)	Area (m²)
	PRS-330	330	250 x 210	50, 65, 75, 100, 125, 150, 200 mm	39	2.50 x 8.00	20
	PRS-356	356	260 x 224		35	2.71 x 7.40	20
	PRS-445	445	340 x 290		22	2.81 x 10.7	30
	PRS-660	660	500 x 420		10	2.50 x 16.0	40
PRS-712	712	508 x 475	8		2.71 x 14.8	40	
Seam Properties	Seam Peel Strength (short term)	Cell Depth		Minimum Cell Seam Strength (±5%)			
		50 mm		725N			
		75 mm		1060 N			
		100 mm		1450 N			
		150 mm		2150 N			
	200 mm		2900 N				
	180° Peel Strength (long term)	A100 mm wide seam sample shall support a 72.5 kg load for 30 days minimum in an ambient room temperature environment.					