

Product Information

SoilWeb® SW20P Series

Property	Test Method	Value				
Material	N/A	Polyethylene – high density (PE-HD)				
Cell Wall	N/A	Perforated & Textured (rhomboidal)				
Cell Wall Perforation	N/A	16,9 % +/- 2%				
Denisty	ASTM D1505	0,940 – 0,960 g/cm ³				
Carbon Black	ASTM D1603	1,5 %				
ESCR	ASTM D1693	10.000 hrs.				
Weather Resistance	EN ISO 12224 : 2000	100 %				
Oxidation Resistance	EN ISO 13438 : 2000	100 %				
Cell Wall Thickness	ASTM D 5199	1,51 mm +/- 5%				
Nominal Dimensions						
Cell Size	N/A	224 mm x 259 mm				
Cells per sqm	N/A	34,6				
Cell Numbers	N/A	10 x 34 per Unit				
Unit Size	N/A	7,70 m x 2,60 m				
Unit Area	N/A	20 sqm				
Cell Depth in mm (+/- 1%)	N/A	50	75	100	150	200
Tensile Strength in kN/m	EN ISO 10319	3,7	5,6	7,5	11,3	15,0
Splitting Strength in kN/m	EN ISO 13426-1 Method C	1,6	2,4	3,2	4,8	6,0
Long Term Seam Strength	USACE GL-86-2019	Passed - 72,5 kg load for 7 days, temperature change on a 1-hr cycle from ambient room to 54°C.				

© 2020 SOILTEC Germany. All cell dimensions are nominal and subject to manufacturing tolerances of +/- 3%. The SoilWeb® Units length and width will vary by approx. +/- 5% through the recommended expansion range. ASTM Standards have been tested at TRI Environmental Institute, the EN ISO standards at BTTG, Manchester/England and TU Clausthal, Institute of Geotechnical Engineering and Mine Surveying.

Product Information

SoilWeb® SW30P Series

Property	Test Method	Value				
Material	N/A	Polyethylene – high density (PE-HD)				
Cell Wall	N/A	Perforated & Textured (rhomboidal)				
Cell Wall Perforation	N/A	16,9 % +/- 2%				
Denisty	ASTM D1505	0,940 – 0,960 g/cm ³				
Carbon Black	ASTM D1603	1,5 %				
ESCR	ASTM D1693	10.000 hrs.				
Weather Resistance	EN ISO 12224 : 2000	100 %				
Oxidation Resistance	EN ISO 13438 : 2000	100 %				
Cell Wall Thickness	ASTM D 5199	1,51 mm +/- 5%				
Nominal Dimensions						
Cell Size	N/A	287 mm x 320 mm				
Cells per sqm	N/A	21,7				
Cell Depth in mm (+/- 1%)	N/A	75	100	150	200	300
Cell Numbers	N/A	8 x 34 per unit				8 x 21 per unit
Unit Size	N/A	9,70 x 2,60 m				6,00 x 2,60 m
Unit Area	N/A	25 sqm				15,5 sqm
Tensile Strength in kN/m	EN ISO 10319	5,6	7,5	11,3	15,0	22,7
Splitting Strength in kN/m	EN ISO 13426-1 Method C	2,4	3,2	4,8	6,0	8,3
Long Term Seam Strength	USACE GL-86-2019	Passed - 72,5 kg load for 7 days, temperature change on a 1-hr cycle from ambient room to 54°C.				

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Product Information

SoilWeb® SW40P Series

Property	Test Method	Value				
Material	N/A	Polyethylene – high density (PE-HD)				
Cell Wall	N/A	Perforated & Textured (rhomboidal)				
Cell Wall Perforation	N/A	16,9 % +/- 2%				
Denisty	ASTM D1505	0,940 – 0,960 g/cm ³				
Carbon Black	ASTM D1603	1,5 %				
ESCR	ASTM D1693	10.000 hrs.				
Weather Resistance	EN ISO 12224 : 2000	100 %				
Oxidation Resistance	EN ISO 13438 : 2000	100 %				
Cell Wall Thickness	ASTM D 5199	1,51 mm +/- 5%				
Nominal Dimensions						
Cell Size	N/A	475 mm x 508 mm				
Cells per sqm	N/A	8,3				
Cell Depth in mm (+/- 1%)	N/A	75	100	150	200	300
Cell Numbers	N/A	5 x 34 per unit			5 x 21 per unit	
Unit Size	N/A	15,80 x 2,60 m			9,90 x 2,60 m	
Unit Area	N/A	41 sqm			25,5 sqm	
Tensile Strength in kN/m	EN ISO 10319	5,6	7,5	11,3	15,0	22,7
Splitting Strength in kN/m	EN ISO 13426-1 Method C	2,4	3,2	4,8	6,0	8,3
Long Term Seam Strength	USACE GL-86-2019	Passed - 72,5 kg load for 7 days, temperature change on a 1-hr cycle from ambient room to 54°C.				

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