

Product Information

SoilWeb[®] SW20P Series

Property	Test Method	Value				
Material	N/A	Polyethylene – high density (PE-HD)				
Cell Wall	N/A	Perforated & Textured (rhomboidal)				
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	1,31 mm +/- 6%				
Nominal Dimensions						
Cell Size	N/A	224 mm x 259 mm				
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 +/- 1%. 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 BTGG, Manchester/England and TU Clausthal, Institute of Geotechnical Engineering and Mine Surveying.