

Geotechnics

MebraTex PET W Uniaxial

MebraTex PET W is a high strength woven geotextile, with a high tensile strength value at a low elongation rate. The MebraTex PET W consists of a dense woven structure of polyester fibres. MebraTex PET W is a reliable solution for a broad array of engineering structures and installations, wherein it fulfills reinforcement functions.

Descriptive properties	Test Method	Unit	100/50	150/50	200/50	300/50	400/50
Area Weight	EN ISO 9864	g/m ²	240	320	400	560	700
Polymer	Polyester (PET)						
Mechanical properties							
Tensile Strength - MD	EN ISO 10319	kN/m	102	152	202	302	402
Tensile Strength - CMD	EN ISO 10319	kN/m	52	52	52	52	52
Elongation - MD	EN ISO 10319	%	10	10	10	10	10
Elongation - CMD	EN ISO 10320	%	10	10	10	10	10
Strength at 5% - MD	EN ISO 10319	kN/m	50	90	100	120	80
Strength at 5% - CMD	EN ISO 10320	kN/m	25	20	20	30	10
Puncture CBR	EN ISO 12236	kN	10	10	11	12	14
Dyn. Cone Puncture	EN ISO 13433	mm	7	6	10	6	6
Hydraulic properties							
Opening Size O90 Wet	EN ISO 12956	µm	160	80	75	80	75
Permeability (VH50)	EN ISO 11058	10 ⁻³ m/s	8	7	8	4	2
Roll Dimensions							
Width		m			5,30		
Length		m	200	200	200	100	100
Area		m ²	1060	1060	1060	530	530
Diameter		cm	33	38	39	36	38
Weight of roll		kg	254	339	424	297	371

There are more types available, please contact us for more information.

All information, illustrations and specifications are based on the latest product information available at the time of editing. The values given are indicative and correspond to average results obtained in laboratories and outside institutes. The right is reserved to make changes at any time without notice. All mechanical and physical properties are initial average values, standard variations in strength and physical properties of 10% have to be allowed for. No guarantee or liability can be drawn from the information mentioned herein.

