



TerraMatt W Range

Woven (PP) Geotextile

TerraMatt Geotextiles are manufactured from 100% virgin polypropylene (PP) polymer and are UV stabilized. These products can be successfully used in transportation, environmental, hydraulic and civil engineering applications and perform major functions including separation, filtration, drainage, reinforcement and erosion control.

TECHNICAL DATA SHEET

MECHANICAL PROPERTIES	TEST	UNIT	W 19/12 Black	W 19/12 White	W 315 Black	215D Black	246D Black
Tensile Strength - MD	EN ISO 10319	kN/m	19	19	40	36	36
Tensile Strength - XD	EN ISO 10319	kN/m	12	12	40	31	36
Elongation at break - MD	EN ISO 10319	%	20	20	16	21.5	21.5
Elongation at break - XD	EN ISO 10319	%	12	12	19	17	17
CBR Puncture Resistance	EN ISO 12236	N	2000	1800	5200	4800	5500
Dynamic Cone Drop	EN ISO 13433	mm	20	20	12	18	12
HYDRAULIC PROPERTIES	TEST	UNIT	W 19/12	W 19/12	W 315	215D	246D
Water Permeability	EN ISO 11058	l/m ² /s	6x10 ⁻³	6x10 ⁻³	10x10 ⁻³	10x10 ⁻³	10x10 ⁻³
Flow rate \perp to the plane	EN ISO 11058	m/s	6	6	10	10	10
Characteristic Opening Size	EN ISO 12956	μ m	210	180	180	180	180
PHYSICAL PROPERTIES	TEST	UNIT	W 19/12	W 19/12	W 315	215D	246D
Polymer Type	100% Virgin Polypropylene						
Thickness under 2 kPa	EN ISO 9863-1	mm	0.55	0.55	0.75	0.7	0.75
Mass per Unit Area	EN ISO 9864	g/m ²	100	100	206	215	246
Roll Width		m	4.2	4.2	4.0	4.21	4.21
Roll Length		m	300	300	250	Cfr stock	Cfr stock
Roll Diameter		m	0.54	0.54	0.54	varies	varies
DURABILITY							
Durability Prediction		To be covered within 2 weeks after installation. Predicted to be durable for more than 25 years in natural soils with 4<ph<9 and soil temperature < 25 °C					
Oxidation Resistance	EN ISO 13438	Excellent					
Chemical Resistance	EN 14030	Excellent					
Microbiological Resistance	EN 12225	Excellent					

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