



Polypropylene geotextile fabrics - top quality

Properties	test method	unit	values														
			100	125	140	150	170	200	230	280	300	340	400	500	800	1000	1200
Thickness	EN ISO 9863-1	mm	0.65	0.75	0.85	0.9	1.1	1.2	1.4	1.7	1.8	1.9	2.5	3.5	4.5	5.5	6.5
Strength resistance MD	EN ISO 10319	kN/m	6	8	10	11	12	14	16	20	22	25	27	34	48	65	75
Strength resistance CMD	EN ISO 10319	kN/m	6	8	10	11	12	14	16	20	22	25	28	35	54	70	80
Elongation at max load MD	EN ISO 10319	%	52	52	50	55	60	60	90	70	70	85	70	70	70	80	80
Elongation at max load CMD	EN ISO 10319	%	55	55	50	55	60	60	90	80	80	90	70	70	70	80	80
Static puncture test	EN ISO 12236	kN	1.1	1.4	1.6	1.7	2	2.4	2.9	3.3	4	4.5	5.2	6	8	10	11
Dynamic puncture test (cone drop test)	EN 918	mm	38	36	32	30	26	20	14	10	8	6	5	3	1	0	0
Velocity index VI	EN ISO 11058	mm/s	80	75	71	69	65	68	63	40	47	45	32	25	18	16	14
Permittivity	EN ISO 11058	S ⁻¹	1.6	1.5	1.42	1.38	1.3	1.36	1.26	0.8	0.94	0.9	0.64	0.5	0.36	0.32	0.28
Permeability coefficient normal to the plane	EN ISO 11058	10 ⁻³ m/s	1.04	1.13	1.21	1.24	1.43	1.63	1.76	1.36	1.69	1.71	1.6	1.75	1.62	1.76	1.82
In-plane flow capacity (MD) at 20kPa	EN ISO 12958	10 ⁻⁶ m ² /s	0.1	0.1	0.1	0.1	0.1	2.7	4.7	4	1.8	4	1.8	3.5	4.4	4.9	5
Opening size	EN ISO 12956	µm	89	85	80	70	64	60	<55	<50	<49	<48	<44	<32	<28	<25	<23
Weathering resistance	EN ISO 12224	To be covered within 15 days from the day of installation															
Oxydation resistance	EN ISO 13438	Forecast minimum durability of 25 years for every application in natural grounds with 4<pH<9 and soil temperature <25°C															
Length (m)			170	150	130	120	120	100	90	90	80	70	65	50	40	30	25
Width (m)			600	600	600	600	600	600	600	600	600	600	600	600	600	450	450
Surface (m ²)			1020	900	780	720	720	600	540	540	480	420	390	300	240	135	112.5
Diameter (cm)			40	40	40	40	40	40	40	40	40	40	40	40	48	40	40
Roll weight (kg)			102	112.5	109.2	108	122.4	120	124.2	151.2	144	142.8	156	150	192	135	135