



PEC (multi-coloured) Recycled Polyester geotextile fabrics

Physical Properties		test method	unit															Tolerance	
Weight			g/m²	150	200	250	300	350	400	500	600	700	800	1000	1200	1500	±	10%	
Thickness		EN ISO 9863-1	mm	1.00	1.20	1.40	1.60	1.80	2.00	2.30	2.60	2.90	3.30	4.00	4.50	6.40	±	20%	
Mechanical Properties																			
Tensile Strength	md	EN ISO 10319	kN/m	1.0	1.6	2.0	2.4	2.8	3.2	4.0	5.4	6.7	8.0	10.0	12.0	15.0	–	10%	
	cmd	EN ISO 10319	kN/m	1.0	1.6	2.1	2.5	3.0	3.4	5.0	7.4	9.0	10.5	13.5	15.0	20.0	–	10%	
Elongation at max load	md	EN ISO 10319	%	50	50	50	50	50	50	60	60	70	70	80	80	90	±	30%	
	cmd	EN ISO 10319	%	60	60	60	60	60	60	60	60	70	70	80	80	90	±	30%	
Energy index		EN ISO 10318	kJ/m²	0.3	0.4	0.6	0.7	0.8	0.9	1.4	1.9	2.7	3.2	4.7	5.4	7.9	±	20%	
Dynamic puncture resistance (cone drop test)		EN ISO 13433	mm	>50	46	40	36	32	24	14	10	8	6	2	2	0	+	20%	
Pyramid puncture resistance		EN 14574	N	n/a	200	300	400	450	500	600	800	950	1100	1500	1700	2000	–	20%	
Hydraulic properties																			
Permeability normal to the plane		EN ISO 11058	mm/s	90	90	70	70	60	50	30	30	25	20	20	20	10	–	30%	
In-plane flow capacity		EN ISO 12958	10 ⁻³ l/ms	2	2	2	3	3	3	5	7	7	8	9	9	9	–	30%	
Opening size		EN ISO 12956	µm	65	60	55	55	55	45	45	35	35	35	30	30	30	±	30%	
Durability properties																			
		EN 12224	Passes EN 12224. It is highly recommended that the geotextile is covered within 15 days from the day of installation. The material can be exposed to sunlight with a degradation of the mechanical properties depending on season.																
Weathering resistance		Made from multicoloured polyester recycled fibre. Specific weight of polymer is 0.38 kg/dm³ . Raw material is staple fibres, produced through needlepunching and calendering. The material is produced according the quality management system of EN ISO 9001:2008. It fulfills the requirement of European regulations related to construction products as per 1213-CPR 3269.																	
Oxydation resistance		EN ISO 13438	Forecast minimum durability of 5 years for every application in natural grounds with 4<pH<9 and soil temperature <25°C																

The values given are an average obtained in our laboratories and in official testing insitutes

The confidence level is 95%

We reserve the right to make changes at any time without notice



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