



PEI Recycled Polyester geotextile - nonwoven polyester fabric

Physical Properties	test method	unit														Tolerance		
Weight		g/m ²	150	200	250	300	350	400	500	600	700	800	1000	1200	1500	±	10%	
Thickness	EN ISO 9863-1	mm	0.90	1.10	1.30	1.60	1.75	1.90	2.20	2.80	3.00	3.50	4.00	4.50	6.00	±	20%	
Mechanical Properties																		
Tensile Strength	md	EN ISO 10319	kN/m	1.2	1.8	2.0	2.5	2.8	3.2	4.2	5.5	6.0	6.5	7.5	13.0	20.0	-	10%
	cmd	EN ISO 10319	kN/m	1.2	1.8	2.0	2.7	3.2	4.0	5.2	7.5	8.0	9.0	10.5	16.0	25.0	-	10%
Elongation at max load	md	EN ISO 10319	%	50	50	50	50	50	50	60	70	70	80	80	80	80	±	30%
	cmd	EN ISO 10319	%	60	60	60	60	60	60	70	80	80	90	90	90	90	±	30%
Energy index		EN ISO 10318	kJ/m ²	0.3	0.5	0.6	0.7	0.8	1.0	1.5	2.4	2.6	3.3	3.8	6.2	9.6	±	20%
Static puncture resistance		EN ISO 12236	kN	0.2	0.3	0.4	0.5	0.6	0.7	0.8	1.2	1.4	1.8	2.2	2.8	4.0	-	10%
Dynamic puncture resistance (cone drop test)		EN ISO 13433	mm	>50	>50	45	40	30	20	16	6	2	2	0	0	0	+	20%
Pyramid puncture resistance		EN 14574	N	n/a	n/a	n/a	100	150	180	200	250	270	300	500	700	800	-	20%
Hydraulic properties																		
Permeability normal to the plane		EN ISO 11058	mm/s	110	100	80	60	50	40	30	25	25	20	20	20	20	-	30%
In-plane flow capacity		EN ISO 12958	10 ⁻³ l/ms	1.6	2.1	2.3	2.7	3.0	3.2	5.0	7.0	7.0	8.0	9.0	9.0	9.0	-	30%
Opening size		EN ISO 12956	µm	65	60	55	55	55	45	45	35	35	35	30	30	30	±	30%
Durability properties																		
Weathering resistance	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 for a maximum of 4 months with a degradation of the mechanical properties depending on season.																
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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Notified body



1213-CPD-3269