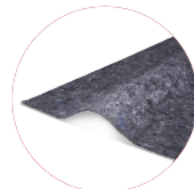


Geodren® PECT



Nonwoven geotextile made by polyester for filtration, separation and protection.

Rev.003

Physical properties			150	200	250	300	350	400	500	600	700	800	1000	1200	1500
Mass per unit area	g/m ²	[EN ISO 9864]	150	200	250	300	350	400	500	600	700	800	1000	1200	1500
Thickness	mm	[EN ISO 9863-1]	1.0	1.2	1.4	1.6	1.8	2.0	2.3	2.6	2.9	3.3	4.0	4.5	6.4
Mechanical properties															
Tensile strength	MD	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	15
	CMD	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	20
Elongation at max.load	MD	%	50	50	50	50	50	50	60	60	70	70	80	80	90
	CMD	%	60	60	60	60	60	60	60	60	70	70	80	80	90
Energy absorp ion index		kJ/m ²	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
Sta ic puncture resistance		kN	0.2	0.3	0.4	0.5	0.6	0.8	1.2	1.8	2.2	2.6	4.2	5.0	6.0
Dynamic puncture resistance		mm	>50	46	40	36	32	24	14	10	8	6	2	2	0
Pyramidal puncture resistance		N	-	200	300	400	450	500	600	800	950	1100	1500	1700	2000
Hydraulic properties															
Permeability normal to the plane		mm/s	90	90	70	60	60	50	30	30	25	20	10	10	10
In-plane flow capacity		10 ⁻³ /ms	1.6	2.1	2.3	2.7	3	3.2	5	7	7	8	9	9	9
Characteristic opening size		µm	65	60	55	55	55	45	45	35	35	35	30	30	20

Durability properties	Product composition		Applications		
Geodren PECT have to be covered within 15 days from the installation. The material can be exposed to sunlight but the degradation of mechanical properties depending on the season and on the latitude. The durability forecast is for minimum 5 years in natural ground with a 4<pH<9 and soil temperature > 25 °C.	POLYMER:	Polyester			
	SPECIFIC WEIGHT:	1.38 kg/dm³			
	RAW MATERIAL:	Staple fibers			
	PROCESS:	Needlepunching and calendering			
	COLOUR:	Multicolor			
			Roads	Railways	Retaining wall
			Drainage system	Erosion control system	Basins and dams
			Canals	Tunnels	Landfills

Quality Management	Certification	Functions		
A quality management system according to the standard EN ISO 9001:2008 is used by Edilfloor SpA with the objective to achieve the complete customer satisfaction. An internal laboratory leads the quality control procedures for all the existing range and for the development of all the new products. Round-robin tests and constant co-operation with external laboratories are a guarantee of an optimized quality control system.	Geodren PECT fulfills the requirements of the European directive related to the construction products as per our certificate nr 1213-CPR-3276 with a quality control system of 2+ level.			
		Filtration Geodren acts as a sand filter by allowing water to move through the soil while retaining all upstream soil particles.	Separation Geodren acts to separate two layers of soil that have different particle size distributions.	Protection Geodren acts to preventing or limiting local damage on material, element or other geosynthetic.

The right is reserved to make changes without notice at any time.

COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =

SKZ
Notified body

CE
1213-CPR-3276

Edilfloor