










# Geodren® PEIT






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 [EN ISO 9864]	g/m <sup>2</sup>		150	200	250	300	350	400	500	600	700	800	1000	1200	1500
Thickness [EN ISO 9863-1]	mm		0.9	1.1	1.3	1.6	1.75	1.9	2.2	2.8	3	3.5	4	4.5	6
Mechanical properties															
Tensile strength [EN ISO 10319]	MD	kN/m	1.2	1.8	2	2.5	2.8	3.2	4.2	5.5	6	6.5	7.5	13	20
	CMD	kN/m	1.2	1.8	2	2.7	3.2	4	5.2	7.5	8	9	10.5	16	25
Elongation at max.load [EN ISO 10319]	MD	%	50	50	50	50	50	50	60	70	70	80	80	80	80
	CMD	%	60	60	60	60	60	60	70	80	80	90	90	90	90
Energy absorption index [EN ISO 10318]		kJ/m <sup>2</sup>	0.3	0.5	0.6	0.7	0.8	1	1.5	2.4	2.6	3.3	3.8	6.2	9.6
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
Dynamic puncture resistance [EN ISO 13433]		Mm	>50	>50	45	40	30	20	16	6	2	2	0	0	0
Pyramidal puncture resistance [EN 14574]		N	-	-	-	100	150	180	200	250	270	300	500	700	800
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
In-plane flow capacity [EN ISO 12958]		10 <sup>-3</sup> /ms	1.6	2.1	2.3	2.7	3	3.2	5	7	7	8	9	9	9
Characteristic opening size [EN ISO 12956]		µm	65	60	55	55	55	45	45	35	35	35	30	30	30

Durability properties	Product composition	Applications
<p>Geodren PEIT 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.</p> <p>The durability forecast is for minimum 5 years in natural ground with a 4&lt;pH&lt;9 and soil temperature &lt; 25 °C.</p>	<p>POLYMER: Polyester                      SPECIFIC WEIGHT: 1.38 kg/dm<sup>3</sup>                      RAW MATERIAL: Staple fibers                      PROCESS: Needlepunching and calandering                      COLOUR: Raw white</p>	 Roads  Railways  Retaining wall  Drainage system  Erosion control system  Basins and dams  Canals  Tunnels  Landfills

Quality Management	Certification	Functions
<p>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.</p>	<p>Geodren PPST fulfills the requirements of the European regulation related to the construction products as per our certificate nr 1213-CPR-3275 with a quality control system of 2+ level.</p>	 <b>Filtration</b> Geodren acts as a sand filter by allowing water to move through the soil while retaining all upstream soil particles.  <b>Separation</b> Geodren acts to separate two layers of soil that have different particle size distributions.  <b>Protection</b> 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.

