

Wholesale High Quality&Factory Price Polyester Nonwoven Geotextile From Polyester Nonwoven Geotextile Manufacturers

Taidong is a professional polyester nonwoven geotextile manufacturers, supply factory price&high quality polyester nonwoven geotextile, welcome to consult wholesale polyester nonwoven geotextile for sale.

Polyester nonwoven geotextile is a new type of construction material used in civil engineering. It is made of filament or short fibers through different equipment and processes, and then interwoven with different fibers by needle punched processes. High quality polyester nonwoven geotextile is divided into filament nonwoven geotextile or short fiber nonwoven geotextile. The tensile strength of filament is higher than that of short fiber. It has good tear resistance and also has a good main function: filter, drainage, and reinforcement. Specifications range from 100 grams per square meter to 800 grams per square meter. The main material is polyester fiber, which has excellent water permeability, filtration, durability, deformation adaptability, and good plane drainage capacity.

Features of Polyester Nonwoven Geotextile

1. Polyester nonwoven geotextile does not contain chemical additives and does not undergo heat treatment. It is an environmentally friendly building material.
2. High quality polyester nonwoven geotextile for sale has good mechanical properties, good water permeability, corrosion resistance, and aging resistance.
3. Polyester nonwoven geotextile factory price has strong anti-burial and anti-corrosion performance, fluffy structure, and good drainage performance.
4. Polyester nonwoven geotextile for sale has good friction coefficient and tensile strength and has geotechnical reinforcement performance.
5. Polyester nonwoven geotextile has the functions of isolation, filter, drainage, protection, stabilization, and strengthening.
6. Polyester nonwoven geotextile factory price can adapt to the uneven foundation, resist construction damage and creep is small.
7. Good overall continuity, lightweight, and convenient construction
8. Polyester nonwoven geotextile produced by the polyester nonwoven geotextile manufacturers is a previous material, so it has good filtering and isolation function and strong puncture resistance, so it has good protection performance.



Utilize the good permeability and water permeability of Geotextiles to make water flow

through, so as to effectively intercept sand loss; polyester nonwoven geotextile produced by the polyester nonwoven geotextile manufacturers has good water conductivity. It can form drainage channels inside the soil and drain excess liquids and gases out of the soil structure.

Use Geotextiles to enhance the tensile strength and deformation resistance of soil, enhance the stability of building the structure, and improve the quality of soil; effectively diffuse, transfer or decompose the concentrated stress to prevent the soil from being destroyed by external forces. Prevent the mixing of sand, gravel, soil, and concrete in the upper and lower layers; the mesh is not easy to clog. The mesh structure formed by the amorphous fiber tissue has the characteristics of strain and movement. High permeability can maintain good permeability under the pressure of soil and water.

Taidong is a professional China high quality polyester nonwoven geotextile manufacturers, supply factory price&high quality polyester nonwoven geotextile, if you want to wholesale polyester nonwoven geotextile factory price, welcome to consult polyester nonwoven geotextile for sale.

Parameters of Polyester Nonwoven Geotextile

Weight: 100g/m² -800g/m² (customized)

Width: 1m – 6m (customized)

Length: 20m-200m (customized)

Color: black, white, grey, green, etc.

Short fiber non woven geotextile technical data

Mechanical Properties	Weight	g/m ²	100	150	200	250	300	350	400	450	500	600	800
	Weight Variation	%	-8	-8	-8	-8	-7	-7	-7	-7	-6	-6	-6
	Thickness	mm	0.9	1.3	1.7	2.1	2.4	2.7	3	3.3	3.6	4.1	5
	Width Variation	%	-0.5										
	Break Strength(MD and XMD)	kN/m	2.5	4.5	6.5	8	9.5	11	12.5	14	16	19	25
	Break Elongation	%	25~100										
	CBR Burst Strength ≥	kN	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.2	4
	Tear Strength ≥(MD and XMD)	kN	0.08	0.12	0.16	0.2	0.24	0.28	0.33	0.38	0.42	0.5	0.6
MD=Machine Direction Strength CD=Cross Machine Direction Strength													
Hydraulic Properties	Sieve Size O90	mm	0.07~0.20										
	Coefficient of Permeability	cm/s	(1.0-9.9)×(10 ⁻¹ ~10 ⁻³)										

Application of Polyester Nonwoven Geotextile

1. To reinforce the backfill of retaining wall or to anchor the face plate of retaining wall. Build wrapped retaining walls or abutments.
2. Reinforcing flexible pavement, repairing cracks on the road and preventing reflective cracks on the road surface.
3. Increasing the stability of gravel slope and reinforced soil to prevent soil erosion and freezing damage at low temperature.
4. The isolation layer between ballast and roadbed or between roadbed and soft ground.
5. The isolation layer between artificial fill, rockfill or material field and foundation, and between different frozen soil layers. Filtration and reinforcement.
6. The filter layer of the upper reaches of the initial ash storage dam or tailings dam, and the filter layer of the drainage system in the backfill of the retaining wall.
7. The filter layer around the drainage pipe or gravel drainage ditch.
8. The filters of water wells, relief wells or oblique pressure pipes in hydraulic engineering.
9. Geotextile isolation layer between highways, airports,
10. Vertical or horizontal drainage within the earth dam, buried in the soil to dissipate the pore water pressure.
11. Drainage behind impervious geomembrane or under concrete cover in earth dams or embankments.

Hot Tags: Polyester nonwoven geotextile, high quality, factory price, for sale, manufacturers, wholesale.