

# Filament geotextile for roadbed



## Product Features

1. Uv resistance, acid and alkali resistance.
2. High temperature resistance up to 230°C, maintain structural stability and original physical properties.
3. High strength tear resistance.
4. Resistance to erosion by chemical substances in the soil.
5. It has a high elongation rate, which can adapt to uneven and irregular substrates.

Item		Unit	Index								
Nominal breaking strength		Kn/m	4.5	7.5	10	15	20	25	30	40	50
1	Longitudinal and transverse fracture strength	Kn/m	≥4.5	≥7.5	≥10	≥15	≥20	≥25	≥30	≥40	≥50

2	Vertical and horizontal standard strength corresponds to elongation	%	40~80								
3	CBR bursting strength(Kn/m)	Kn/m	≥0.8	≥1.6	≥1.9	≥2.9	≥3.9	≥5.3	≥6.4	≥7.9	≥8.5
4	Vertical and horizontal tearing strength	Kn	≥0.14	≥0.21	≥0.28	≥0.42	≥0.56	≥0.7	≥0.82	≥1.1	≥1.25
5	Equivalent aperture O90(o95)	mm	0.05~0.20								
6	Vertical permeability coefficient	cm/s	$K*(10^{-1} \sim 10^{-3})$ K=1.0~9.9								
7	Thickness	mm	≥0.8	≥1.2	≥1.6	≥2.2	≥2.8	≥3.4	≥4.2	≥5.5	≥6.8
8	Amplitude deviation	%	-0.5								
9	Mass deviation per unit area	%	-5								

### Factory equipment



1.Screening and delivery of PET slices



2.Pre-crystallization and drying



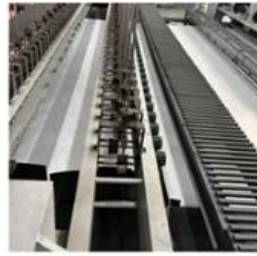
3.Metering output



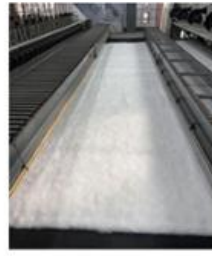
4.Side-blown cooling molding



5.Air draft



6.Lay the wire



7.Net laying



8.Preneedling



9.Main acupuncture



10.Trimming and winding



11.Finished product packaging

Here are some specifications for filament geotextile used in roadbed construction:

Specification	Description
Material	Polypropylene or polyester filament
Weight	Typically ranges from 100 g/m <sup>2</sup> to 800 g/m <sup>2</sup>
Width	Commonly available in widths from 1m to 6m
Length	Roll lengths vary, often 50m to 200m
Color	Usually comes in black or white, but other colors may be available
Filtration	Provides effective filtration of water while allowing for adequate drainage
Separation	Prevents mixing of soil layers, maintaining roadbed stability
Reinforcement	Enhances the tensile strength of the roadbed, reducing deformation and settlement
Protection	Protects against punctures, abrasion, and UV degradation
Applications	Suitable for various civil engineering projects, including road construction, railways, and embankments

These specifications can vary depending on the specific requirements of the road construction project and the manufacturer's offerings.