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PP woven Geotextile

Basic details: Material: 100% new PP(polypropylene) Weight: 70-800g/sqm Weidth: 1-6m Length: 50-1000m/Roll Color: black

1.Introduction:

Woven geotextile mainly uses polypropylene(PP) as raw materials. After extruding, it has long term corrosion resistance in the soil and water with different PH; It has excellent microbiological degradation resistance; because this material is light and soft, so it is convenient to transport and install.



2. Specifications: Material: PP(polypropylene) Weight: 100-800g/sqm Weidth: 1-6m Length: 50-100m/Roll



3.Features: 1) Filtration

The filtration layer of the dykes, river canal, seacoast, concrete slope, retaining walls. At the same time of preventing the clay granule from passing, it allows the water and the gas pass through freely.

2) Separation:

The isolation of the railway dregs and the roadbed, roadbed and the soft base, surface of the airdrome and parking lot and the groundsill, different dam materials. It isolates the soil and the gravel of two kinds different granule pathway from the groundsill or other buildings.

3)Adding muscle:

The highway, railway, soil-stone dam, breakwater, airport, backfill soil of retaining wall, slope protection, etc in which distributes the earth stress, prevents the side-displacement of the earth body and improves the earth body stability.

4)Protection

It prevents the bank from being washed out, protects the bank and the bottom, prevents the water and soil from being washed away.



4. PP Woven Geotextile Technical Parameters

Mass Weight g/m2	120	160	200	240	280	340	400
Break Strength KN/m≥(LD)	20	30	40	50	60	80	100
Break Strength KN/m≥(TD)	15	22	28	35	42	56	70
Break Elongation %≤(LD,TD)	25						
Trapozoidal Tear Strength KN≥(LD)	0.3	0.45	0.5	0.6	0.75	1.0	1.2
Burst Strength KN≥	1.6	2.4	3.2	4.0	4.8	6.0	7.5
Vertical Permeability Coefficient cm/s	10-1-10-3						
Sieve Size(O95.)mm	0.07-0.5						
Variation%	±10						

5.Applications:

1. Construction of roads and other trafficked areas (excluding railways and asphalt inclusion)

- 2.Construction of railways
- 3.Earthworks, foundations and retaining structures
- 4.Use in drainage systems
- 5. Erosion control works (coastal protection, bank revetments)
- 6.Construction of reservoirs and dams
- 7.Construction of canals
- 8. Construction of tunnels and underground structures
- 9.Use in solid waste disposals
- 10.Use in liquid waste containment projects



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