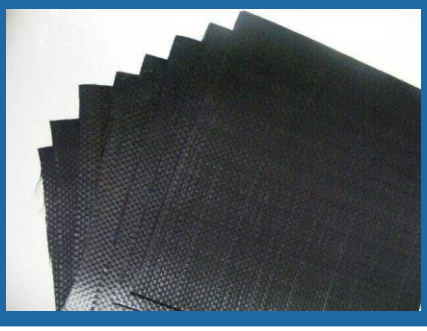
CCI WOVEN GEOTEXTILE

SPLIT YARN (FLAT SILK) PP WOVEN GEOTEXTILE



PRODUCT DESCRIPTION:

Woven Geotextile is a kind of geosynthetic material made of polypropylene. This product is widely used in hydraulic engineering, power engineering, harbor, railway, etc.

PRODUCT FEATURES:

- **High Flexibility** – It will keep good flexibility both when it is dry or wet due to its material – plastic flat wire.
- **Anti-corrosion** – It can keep good anti-corrosion performance even in soil or water with different pH values.
- **Good water permeability** – It has good water permeability because of the space between the flat tires.
- **Antimicrobial property** – Protecting itself from the damage of the microorganisms or worms.
- **Easy Installation** – Because it is light and soft, it is easy to install and transport.

APPLICATION:

- **Reinforcement Function** – it is used in rock projects such as roads, railways, airports, stone dams, anti-slope embankments, retaining walls, backfills, and side tombs to disperse soil stress, increase soil modulus, limit soil slip, and improve stability.
- **Protective Function** – Keep the dam from the damage of wind, wave, tide or rain. Also, prevent erosion of soil.
- **Filtering Function**- Prevent the flowing through of sand or soil but water and air can freely get through.

SPECIFICATION:

BT20-15, BT30-42, BT40-28, BT50-35, BT60-42

SIZE OF PACKAGE:

Width 2-6m, Length 50-100m (or per request)

STORAGE:

- It must be stored in original package.
- Stored in dry conditions, protected from direct sunlight, and other environmental condition.

Technical Specification of plastic yarn woven geotextiles

Item	Values						
Specification	20-15	30-22	40-28	50-35	60-42	80-56	100-70
Breakage Strength (Machine Direction), kN/m	20	30	40	50	60	80	100
Breakage Strength (Cross Machine Direction), kN/m	15	22	28	35	42	56	70
Elongation Rate, %	28						
Trapezoidal Tearing Strength, kN	0.3	0.45	0.5	0.6	0.75	1	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, mm	0.08-0.5						
Unit Weight, g/m^2	120	160	200	240	280	340	400
Variation, %	±10						

ccichemicals cci.chemicals 0917 579 0055 ccichemicals@cyanclay.com
909 High Street South Corporate Plaza Tower 1, BGC, Taguig, Philippines