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ISO 14001:2015



ISO 9001:2015



Industrial Textile Products

P  **LYTEX**

BUILD MAN / GEO MAN

Polytex Plastics Co., Ltd.

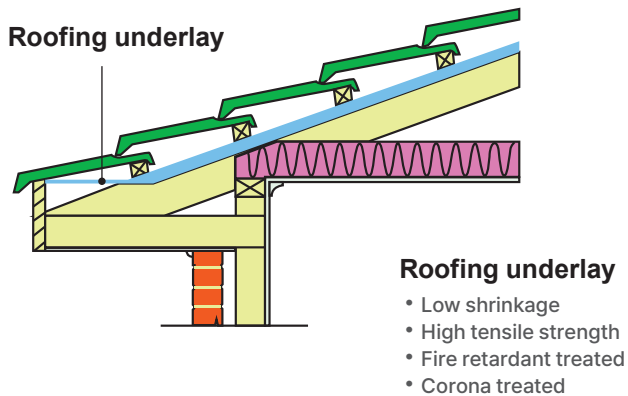
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Build man

PP / PE weave for insulation or roofing underlay with and without aluminium foil



Wall wrap

Landscape fabric

- 1) PP woven ground cover
- 2) PP non-woven ground cover
- 3) PP woven needle punched with PP non-woven

Material	Weight	Min/Max width	Length
PP woven	65~240gsm	0.5~6 m	10~1000m/roll
Non woven	16~150gsm	0.5~3.2 m	10~100m/roll



Silt fence (with stakes, with wire mesh)

- PP woven fabric retains the soil on disturbed land letting water flow through
- Bulk rolls or retail packs available
- Wood stakes are available
- Silt fence with steel wire mesh

Standard width	Weight	Color
0.7m	70~120gsm	Black, Green

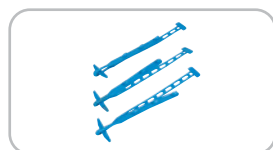


Scaffolding cover

Material	Webbing-band	Finished size
250gsm, 3×3/sq.inch UV stabilised Transparent	210gsm, 14×14/sq.inch	2.7×10m, 2.7×20m
	15mm dia hole every 10cm interval	3.2×10m, 3.2×20m
		3.3×30m, 3.8×30m
250gsm, 3×3/sq.inch UV stabilised Transparent	210gsm- 2×14cm+1×7cm	2×45m/roll
	15mm dia hole every 10cm interval	With/without F/R treatment
		2×10m, 2.6×10m
180gsm, 12×12/sq.inch Transparent	Double eyelet at 50cm interval	2.6×20m
		3.1×10m, 3.1×20m



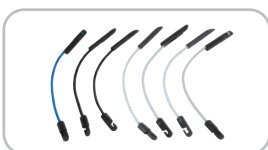
Scaffolding Net



Nylon tie



Ball tie



Elastic tie

Material	Specification	Size
Elastic tie	Nylon, twined with rubber	5.5cmx34cm
Nylon tie	Nylon	24cm
Ball tie	Nylon, twined with rubber	15cm



- 60gsm ~ 200gsm, max width 6m
- Flame Resistant (NFPA 701) certified.
- California Fire Marshal FR certified.

Wind-break

- PE knitted windbreak reduces wind by 40-60%
- Ideal for protecting plants, trees or crops from wind damage

Rate	Weight/sqm	Max width
40%	70gsm	6m
50%	100gsm	6m
60%	150gsm	6m

- UV stabilized for commercial grade



Privacy net

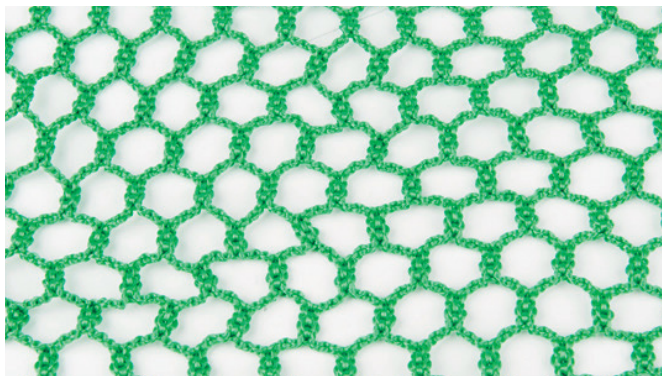
For enhanced privacy and safety attach the PE knitted net to your fence.
The knitted fabric is available in black/green and other colors.
Durable UV stabilization for 1 year to 10 years.

- Standard size (height) : 5'8"(173cm) or 7'8"(233cm)



Safety net

Safety netting for construction sites. Tested and certified by Korean Scaffolding Association



- Color : Green, Blue
- Max width : 12m without sewing

Shade sail

- Material : HDPE
- Color : Black, Green, Blue, White, Beige, Red, Yellow
- Weight : 40gsm(1.41oz) ~ 350gsm(12.35oz)
- Shape : Triangle, Square, Rectangle
- Size : 3×3×3m(9.84'x9.84'x9.84'), 4×4m(13.12'x13.12'), 5×6m(16.40'x19.69')
- Custom size available
- UV treated for 3~5 years guarantee
- Most popular weight : 200gsm shade sails



Geo man

• Geo-membrane

Color	Thickness	Normal width	Length
Black	0.5~2.5mm	3.95/5.95/7m	100~200m/roll

- Made of high molecular polymer HDPE
- Excellent stress crack resistance and chemical resistance properties



• Geo-textile (Woven)

Material	Weight (gsm)	Breaking strength (>kN/m)	CBR Burst strength (>kN)
Poly propylene	60~400	MD:20~100 CD:15~70	1.6~7.5
Vertical Permeability Coefficient (cm/s)	Sieve size (O95)(mm)	Min/Max width (meter)	Application/ Usage
$10^{-1} \sim 10^{-3}$	0.08~0.5	1~6	River bank, dam protection, diversion irrigation, slope protection and drainage system



• Geo-textile (Non-woven)

Material	Process	Weight (gsm)	Thickness (mm)	Breaking strength (>kN/m)	CBR Puncture resistance (kN)	Min/Max width (meter)	Application/ Usage
Polyester filament	Cross-laying & needle punch	100~800	0.8 ~ 5.5	4.5~40.0	0.8~7.0	1.0~6.0	Reinforcement & Isolation in engineering field
PP filament	Air flow-laying & Needle punch	100~800	1.0~6.5	7.0~56.0	1.1~8.7	1.0~6.2	Rail track isolation layer, tunnel gasket layer, Runway isolation layer, landfill slope protection
PP or PET staple fiber	Carding cross-laying & needle punch	100~800	0.9~5.0	2.5~25.0	0.3~4.0	1.0~6.0	Strengthening, Seperation in railway project or reversed filter in water reservoir



Geo-grid

• Warp Knitted Polyester Geo-grid

The reinforcement matrix is manufactured using polymer resin coating, after knitting with high strength and low elongation industrial polyester yarn.

Has excellent durability and low movement in civil engineering applications.

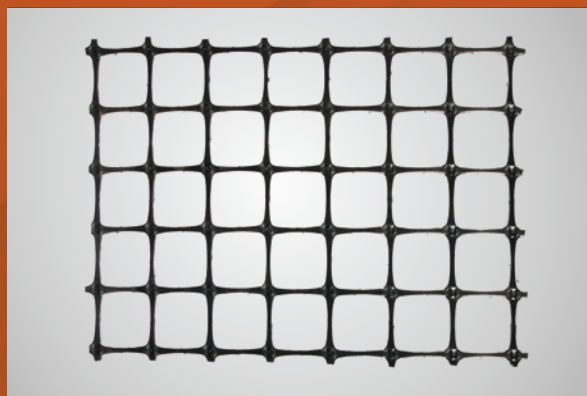
Tensile strength ≥kN/m	Elongation ≤(%)	Grid size (inch)	Min/Max width (m)	Application/ Usage
30~1200	13	1 × 1 2 × 2 3 × 3	1~6	To reinforce soft ground of railway and road



Polyester Geo-grid

• Extruded PP Geo-grid

Tensile strength ≥kN/m	Elongation ≤(%)	Tensile strength at 2% strain ≥kN/m
15 ~ 50	13	5 ~ 17.5
Tensile strength at 5% strain ≥kN/m	Min/Max width (m)	Application/ Usage
7 ~ 35	1 ~ 6	Slope protecting projects of railway, highway, engineering fields



Extruded PP Geo-grid

• Geo-cell

Height (mm)	Welding distance (mm)	Sheet thickness (mm)	Seam peel strength ≥(N)
75 ~ 200	330 ~ 712	1.1 ~ 1.5	1065 ~ 2840
Expanded cell size (mm)	Expanded panel size (m)	Application/ Usage	
224 × 203 ~ 508 × 475	2.44×6.15 ~ 2.56×13.72	Strengthens weak ground, slope protection	



Geo-cell