



UNITED-PORTS
One Call, Total Delivery

C CARGO-FORCE®
——PET strap



PET strap is mainly made from polyethylene glycol terephthalate (English abbr. PET), a popular new type packing material on the international market. With its advantages of low cost, nice and durable, environmental-friendliness and recyclable, high automatic operation, it is widely used in the fields of steel, alloy, chemical fiber, cotton spinning, tobacco, paper making, metal canning, etc.

PET strap is ideal substitute of steel strap. In U.S.A and Europe and other developed countries, with the increasing consciousness of safety and environment protection, safe and easily recycled packaging materials were required to be used by force. For heavy and large-sized cargo, there was only steel strap in option. In 1999, PET strap was born. In a couple of years, it has been spread over the world and widely used as a substitute of steel strap in paper, wood and steel industries.

PET strap's advantages:

Strong tension resistance: it has tension resistance as strong as steel strap, also extension ability of shock resistance, giving more insurance to your cargo transport.

Small extension rate: only one-sixth of polypropylene (PP) strap. Long time keep tensile force.

High thermotolerance: melting point 260 degrees, not distorted in form lower than 120 degrees.

Good flexibility: No sharp edge like steel strap, safe operation, not harmful to hands and package.

Nice&rustless: No trouble of the rust stain on package coming from steel strap. Bright in color.

Economical : 1 ton of PET strap is equal to 6 tons of steel strap in length. 50% cost can be saved comparing with steel strap.



PET strap is only one-sixth of steel strap in weight.



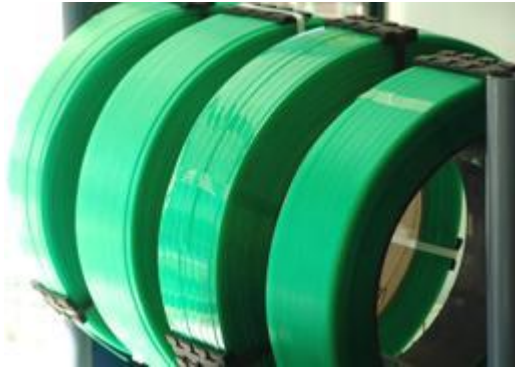
Comparison between PET strap and steel strap

| Product | | PET strap | Steel strap |
|------------------------------|-------------------------------|---|--|
| Density (g/m) | | 41 | 235.8 |
| indirect wastage | | One joint/1000m | One joint/100m |
| | | No wastage in packing process. | 20cm wastage for tightening on each packing. |
| Direct use-cost | | RMB0.78/m, save 42% | RMB1.297/m(not including seals RMB0.4/pc) |
| Safety | Shock resistance | 5% buffering stretch against outside force for cargo protection. | Almost no stretch against outside force. Cargo is at risk. |
| | Rupture strength | high | high |
| | Be loose or not after packing | Not be loose(5% tightening force for long time) | Be loose(no stretching, almost no tightening force) |
| | Hand cut risk in packing | low | high |
| | Hand cut risk in unpacking | low | high |
| Stain or damage to cargo | | no rust, smooth, no hurt cargo | Easy rusted, Easily make cargo polluted and hurt. |
| Packing convenience | | No need to operate with glove, high packing efficiency, no need preparation | Operate with glove, coverall necessary. Low packing efficiency. Need cutting before packing. |
| Environmental protection | | Environment-friendly, easy to recycle, no pollution, no export restriction | Difficult to recycle, pollution caused, some export restriction. |
| Alternating bending property | | Good flexibility, nondisjunctional | Brittle, disjunctional. |
| Appearance | | Modern and elegant, nice transparent looking . | Not nice looking in black, non transparent packing. |
| Publicity | | Print logo is available. | Uneasy to print. |
| Anti-fake | | Unique pattern, as unpacking evidence | Easily imitated |



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PET strap in use.



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