



Citylight
POLYMERS



“The Ultimate key of Packaging ”

Company Profile

A leading manufacturer & exporter of excellent quality PET STRAP in india. We are a well-known business entity in the arena of manufacturing optimum quality PET STRAP. We have been serving our clients world wide since 2008. Now, we have ventured in PET STRAP manufacturing and made our position stronger with our committed efforts. We have been consistently catering the packing requirements of our valued clients with the best quality, high strength and durability of our PET STRAP. We have imported fully automatic extrusion processing line and high skilled trained technical man-power to produce superior and consistent quality of PET strap with production capacity 15 MT per day. We carry out comprehensive laboratory and field testing procedures in all stages from raw material handing to strap production and delivery to the client. Beside strap, we provide our clients the necessary strapping tools and machines, in addition to all the strapping accessories. Our PET strap quality prompt and timely delivery and after sales supports has attracted customers from every corner of the world.



Quality Assurance

The company is providing quality assurance by controlling strapping's quality with the parameters of strapping like tensile strength, break strength, elongation percentage in a latest computerized quality control equipments. Polyester (polyethylene terephthalate) strapping that is an alternative of steel strap. it is being increasingly used for strapping medium and heavy loads in place of steel (iron) strapping. It can also be used in place of other plastic straps where high tensile strength is required.

Client Base

Today, The company proudly state the large number of clients who are completely satisfied and loyal towards the brand. The products have been exported to various nations world wide.



Infrastructure

The company have established modern plant at Pipli near Morbi in INDIA. It has successfully acquired the state-of-the-art technology which is very essential to remain a leader in this segment. Right now our current production is 1800 ton per year and we will be reaching at 2500 ton pet straps making capacity as soon as possible.

We deal in

- Pet Straps
- Plastic PP Box Straps
- Plastic Strapping Tools
- Automatic Packaging Machinery



PET STRAPS



PLASTIC P.P. BOX STRAPS



PET (Polyester) Strapping

Quality P.E.T. Strapping

Our polyester (P.E.T) strapping is tested and recommended for all well-established packaging machines. Complete quality control was the rule, and applying for quality standard. Customers from around the world can rely on our strapping.

Advantages

- Lower cost and environmental friendly as well.
- Best suitable for medium to heavy application.
- Rust free and safe working.
- High heat-resisting and lower elongation rate.

Industrial

- We use premium raw materials and additives.
- Alternative colours and surface types. (smooth or embossed treatment)
- The most effective substitute of the high cost steel strap.
- Very high tensile strength. (similar to the strength of steel strap up to 80%)



Pet Strap Specification

Sr. No	Strap Size		Plain		Embossed	
	Width in mm	Thickness in mm	Range Of mtr.per Kgs.	Tensile Strength	Range Of mtr.per Kgs.	Tensile Strength
01.	10	0.5	149	215	155	200
02.	11	0.55	123.5	260	130	245
03.	12	0.6	103.65	309	109.1	293
04.	12	0.7	88.84	353	93.52	335
05.	13	0.65	95.68	363	100.71	345
06.	13	0.7	82	391	86	370
07.	15	0.7	71	452	74.81	429
08.	15.5	0.76	63	507	66.68	481
09.	15.5	0.9	53.5	600	56.31	570
10.	16	0.9	51.5	619	54.55	588
11.	16	1	46.5	688	49.1	654
12.	18	0.9	46	696	48.50	660
13.	18	1	41	774	43.5	733
14.	19	1	39	817	41.34	776
15.	19	1.27	31	1040	32.47	998
16.	24	1.27	24	1310	26	1242
17.	25	1.3	22.5	1395	24	1324



Comparison of PET STRAP over STEEL STRAP

- "PET STRAP" has higher elongation recovery. Whereas steel strap has virtually no elongation recovery. steel strap generally cut the edges of package. Whereas "PET STRAP" does not cut the edges of package. Hence, the packed product is totally protected.
- "PET STRAP" is rust free and chemically inert. It does not leave any mark on surface caused by stapling. Special cutting tools are required for cutting steel strap. "PET STRAP" does not require any special cutting tools. While cutting the tensioned steel strap there is always a chance of accidents due to "whip lashing" pet strap does not pose any such hazards.
- "PET STRAP" is 80% lighter than steel strap. Hence, there is notable saving in freight cost.
- "PET STRAP" is easy to handle and reduces machines downtime due to less frequent strap core.



Comparison of PET STRAP over PP STRAP

- PET STRAP has got greater strength than PP STRAP of the same dimension.
- PET STRAP will not break as PP STRAP do when tightened too much.
- PET STRAP can be tensioned up to 50% more than PP STRAP of equivalent size. It won't relax or elongate like PP STRAP.
- PET STRAP is more temperature resistant than PP STRAP.



Comparison of Properties

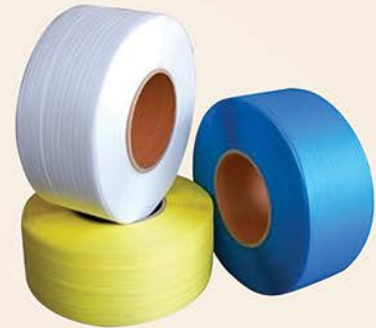
Material	Break Strength	Working Range	Elongation Recovery	Retained Tension	Heat Resistance	Humidity Resistance
PP	Moderate	Lowest	Marginal	Fair	Fair	High
Steel	Highest	Highest	Negligible	Highest	Excellent	Poor
PET Strap	Good	Good	Good	Good	Good	Excellent



PP (Polypropylene) Strapping

Quality PP Strapping

Our polypropylene (pp.) strapping is tested and recommended for all well-established packaging machines. complete quality control was the rule long before and applying for quality standard. customers from around the world can rely on our strapping.



Features

- Best suitable for light to medium-duty application.
- Clear performance on all types of machines.
- Uniform surface to keep strap tight.
- Most economical plastic strapping.



Advantages

- High tensile strength.
- Super stiffness & curvature free.
- Precision winding.
- Diamond embossing effect.



Specification

Width		Thickness		Length (M)	Weight (Kg)	Tensile (Kg.f)	Elogantion (%)
mm	inch	mm	inch				
9	0.35	0.55	0.022	3000	12.8	70 ↑	18 ↓
12	0.47	0.55	0.022	2500	12.1	120 ↑	20 ↓
15	0.59	0.60	0.024	2500	12.8	150 ↑	20 ↓
15	0.59	0.75	0.030	2000	12.8	170 ↑	20 ↓
18	0.71	1.00	0.039	1300	13.8	250 ↑	25 ↓
19	0.75	1.00	0.043	950	12.8	350 ↑	25 ↓

Specifications are modifiable according to technical improvement.



Tools

Pneumatic Strapping Tools

Pneumatic strapping tool is applicable to neutral packing and used in the export enterprises of iron, textile, household, electrical appliance, stone material, chemical fiber and so on. It finishes the soldering of the PET tape at high speed in one step.



Feature :

- Straining, sticking and cutting pneumatically.
- Driven by the pneumatic motor with low noises and malfunction rate
- Light weight for portable use or hanging.
- Excellent tighten strength
- Suitable for the packing of the steel, timber.

Battery Powered Plastic Strapping Tool

Battery strapping tool is the full-automatic tool for PET or PP strap strapping. It can combine the new and old straps directly and save the time of wearing and work load.



Feature :

- Reduce packing cost more than 15% & improve the combining intensity 2 times, increase safety coefficient paid to transport effectively;
- Improve packing without the metal buckle and get rid of the problems such as scratch, impression and so on;
- Works normally under a large number of dust, tiny fiber and other abominable environments with the exceptional dust-proof filter screen;

Manual Strapping Tool (Tensioner, Sealer, And Dispenser)

Tension with the fastening buckle, which is different from the conditional packing, has compact structure, lightweight, strong tension and buckle for convenient operation.



Feature :

- Be suitable for various kind of PET & PP strap
- Easy to operate and finish the tighten, sticking and cutting for one time
- Have a strong tighten and reach 2800N at most
- With the simple structure ensuring low malfunction rate.



Joining Method

Mechanical Seals

Pet has hard, slippery surface, hence serrated metal seal used which has series of teeth or points on inside surface of seal to prevent slippage. hand operated crimping tools used for metal seals to be used with pet strapping.

Heat Sealing

A heat seal joint is created by a thermo-electric heater blade (plate) that melts and fuses two ends of tensioned strap together under pressure.

Friction Sealing

A friction weld joint is formed by rapid vibration of two straps under tension creating enough fractional heat to fuse straps together. manual and fully automatic strapping machines are used with battery / electric / pneumatic operated tools.

The joint strength can obtain 75% to 85% of breaking strength of strap with a uniform weld joint. seal efficiency can be achieved under proper operating of equipment and strap selection.



Application

Industries

- Bottling industry
- Steel
- Glass & ceramic
- Automobile
- Stone
- Paper
- Shipping
- Refractories
- Solid waste handling

Building Material & Wood

- Roofing tiles
- Plaster boards
- Timber
- Chipboards
- Plywood

Pelletization

- Cartons
- Film Rolls
- Baggage Industry
- Bottles
- Clay Building Bricks

Metal Packaging

- Steel coils
- Aluminum ingots
- All kind of metal sheet
- Rods
- Pipes
- Aluminum coils

Baling

- Man made fiber
- Cotton
- Jute
- Coir
- Rubber





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