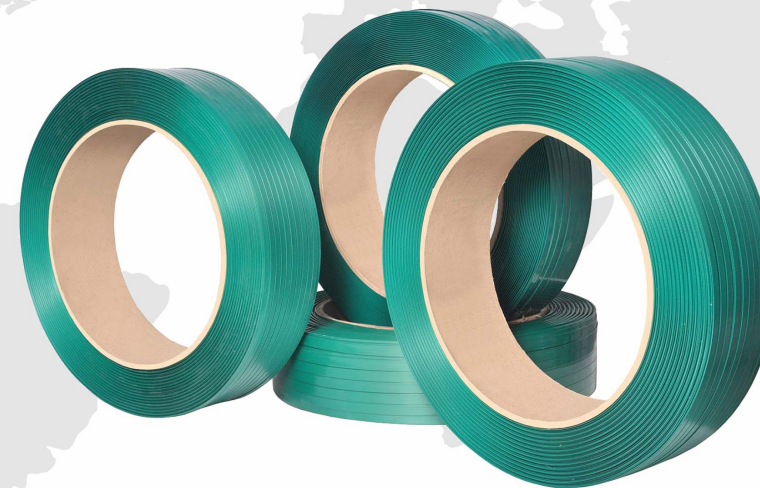




## PATEL STRAP INDUSTRIES

Manufacturer & Exporter



ISO 9001:2008 CERTIFIED COMPANY



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Company Profile :

A leading manufacturer & exporter of excellent quality PET STRAP in india. Our company is certified with ISO 9001:2008. 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 packaging 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 15000 Kgs (15 MT) per day. We carry out comprehensive laboratory and field testing procedures in all stages from raw material handling 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.

Pet Strap :

The PET strap is well-suited to the strapping of stacked and packaged products, such as sawn timber, cardboard , chip-board, plywood, paper, tile and glass. All of ours PET strap can be used with manual and automatic strapping machines. Our strap has stable geometric and mechanical characteri-stics throughout the length of the strap.

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 requires 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 changes.

Comparison between PET STRAP & 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.

Advantages :

- It is an alternative product to steel strapping.
- Flexible and light which is easy and simple to use.
- Does not make rust or give any damage to the products.
- Lower cost and environmental friendly.
- Maximum occupational safety.
- Is used with fully automatic machine, battery powered strapping machine, pneumatic machine and buckles.
- Can be produced with different dimensions and lengths according to customer demand.

PET STRAP SPECIFICATION

Strap Size			Plain		Embossed	
Sr. No.	Width in m.m	Thickness in m.m	Range of mtr. per kgs.	Tensile Strength	Range of mtr. per kgs.	Tensile Strength
1	10	0.5	149	201	155	190
2	11	0.55	123	243	130	230
3	12	0.6	103	291	109	274
4	12	0.7	83	340	93	320
5	13	0.7	82	365	86	346
6	15	0.7	71	422	75	400
7	15.5	0.76	63	476	67	448
8	15.5	0.9	53	560	56	531
9	16	0.9	51	578	55	548
10	16	1	45	643	49	609
11	18	0.9	45	651	48	617
12	18	1	41	723	43	685
13	19	1	39	763	41	723
14	19	1.27	30	970	32	919
15	24	1.27	24	1225	26	1161
16	25	1.3	22	1306	24	1238
17	32	1.3	17.5	1720	18.5	1630

\* Elongation 16 to 18 % in above size of strap  
\* Ideal (Safe) working range: 40% to 45% of Breaking strength  
\* Test method as per the standards of ISO 9001 : 2015 certification  
\* Above PET strap sizes are regular size of production, it is also available as per the customer's specification



Strapping Comparison Chart Patel Strap				
Break strength	PP Moderate	Polyester Excellent	Steel Excellent	
Working range	Lowest	High	High	
Retained tension	Fair	High	Good	
Elongation recovery	Good	High	Negotiable	
Heat maintenance	Fair	Good	Excellent	
Humidity resistance	High	High	Not good	
Ease of disposal	Excellent	Excellent	Fair	
Shock resistance	Low	Excellent	Fair	
Cast of usage	Low	Low	High	
Repeated curving capacity	Excellent	Excellent	Poor	

The Smart Choice Of Pet Strap



Strapping Tool :

Pneumatic Strapping Tool :-

Pneumatic tool is applicable to neutral packing and widely used in the export enterprises of iron, textile, household, electrical appliance, stone-material, chemical fiber etc, It finishes the soldering of the Pet strap at high speed in one step.



Battery Powered Plastic Strapping Tool :-

Battery operated tool as know as combination tool applies polypropylene or polyester strapping, utilizing friction weld joint technology to join the strap ends. An automatic weld function speeds up cycle time.



Manual Strapping Tool :-

Highly effective for manual strapping applications for several industries, it comprises of a wide range of manual packaging tools that have ergonomic design with rubber handle. Apart from it, these tools are designed for strapping both round or flat surfaces.



Joining Method :

Metal Seal :-

Pet has hard, slippery surface, hence serrated metal seal is used which has series of teeth of points on inside surface of seal to prevent slippage. Hand operated crimping tools used for metal seals are 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.

Easy to Use:-

Due to its elasticity, PET strap does not damage the edges of the package. Optimal strap is chosen on the basis of the product weight and size, as well as strapping and transport conditions. PET also is joined with thermal or friction welding or with a metal seal.

PET STRAP APPLICATIONS



Application :

- Metal-Sheets, Rods, Coils, Pipes
- Cotton, Jute, Coir, Synthetic fiber bales
- Wooden Crates
- Paper, Leather, Textiles, Plywood Industries
- Refractoriness / Bricks
- Cables
- Float Glass / Sheet Glass
- Aluminum Ingots

