

TENAX®

Polyester Strapping

Product Specifications

S. No.	Product	Width MM	Thickness MM	Break Load Nominal	Coil Metres	Product Category
1	1616	9.2	0.52	201	3810	C
2	1716	11.10	0.52	242	3200	B
3	1718	11.10	0.60	280	2743	A
4	1818	12.70	0.52	277	2743	B
5	1822	12.70	0.71	379	1981	B
6	2025	15.62	0.64	420	1600	B
7	2030	15.62	0.76	500	1402	A
8	2040	15.62	0.90	590	1220	A
9	2080	15.62	1.00	656	1066	B
10	2220	18.55	0.95	780	915	B
11	2225	18.55	1.27	1002	731	A
12	10050	24.50	1.27	1334	550	B
13	2680	32.00	1.00	1344	550	B
14	2480	24.50	1.02	1145	666	C
15	2480J	24.50	1.02	1145	2070	C
16	2040J	15.62	0.90	590	3810	B
17	2080J	15.62	1.00	656	3400	B
18	2220J	18.55	0.95	780	2747	B
19	2225J	18.55	1.27	1002	2194	A
20	2225SJ	18.55	1.27	1002	3787	C
21	10050J	25.00	1.27	1334	1650	B
22	2030B	15.30	0.75	460	1402	A
23	2040B	15.62	0.90	562	1220	C
24	2080B	15.62	1.00	645	1066	B
25	2220B	18.55	0.95	765	915	C
26	2225BJ	18.55	1.27	942	2194	A

Notes :

Lead times : A : Ex. Stock, B : 2 weeks,
C : Against order schedule will be confirmed
Colour : Green
Camber : Max 150 mm in 2.4 mtrs.
Elongation : 10% to 15% for Non-Baling and 13% to 17% for "B"
Core Size : Small Coils : ID 406mm; width 150 mm
Jumbo Coils : ID 406mm; width 190 mm
Super Jumbo : ID 406mm; width 300 mm
Box Dimension 620 x 620 x 160 mm

The Company has a policy of continuous product development and reserves the right to alter specifications at any time without prior notice.



VTI
Friction-weld sealing tool for Tenax polyester strapping



VT
Tension weld combination tools for Tenax polyester strapping



BXT-2
Battery powered combination hand tool for polyester and polypropylene strapping

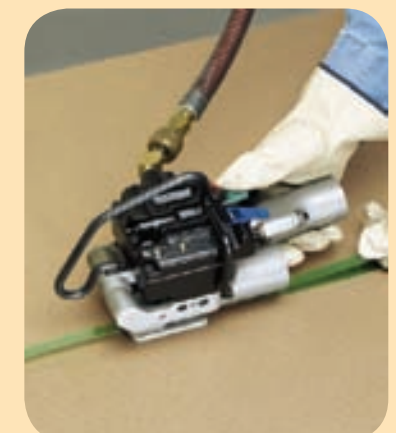
ITW Signode
Packaging Solutions
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TENAX®

Polyester Strapping



Features and Benefits

- The high performance alternative to steel strapping on rigid, semi-rigid and expanding packs
- Exceptional elongation characteristics ensure long term retained tension - even when packs settle
- Better protection - doesn't scratch, indent or cause straining due to corrosion
- Safe to work with as it does not have sharp edges
- Environmentally friendly recyclable strap

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TENAX®

Polyester Strapping



The High Performance Strapping

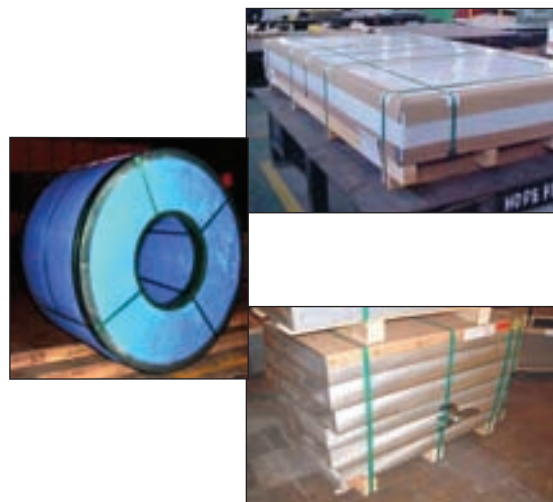
Signode Tenax heavy duty polyester strapping has been specially developed to provide an extremely tough and strong alternative to steel strap when securing medium and heavy duty loads.

Tenax offers exceptional elongation and elongation recovery characteristics enabling it to accommodate an expanding pack or contract with a shrinking pack, ensuring long term retained tension and improved pack security. Unlike steel, Tenax does not scratch, indent or cause staining due to corrosion. It is ideal for applications where packs are to be stored in the open, as it is UV resistant, impervious to water and retains high applied tension even at the highest ambient temperatures.

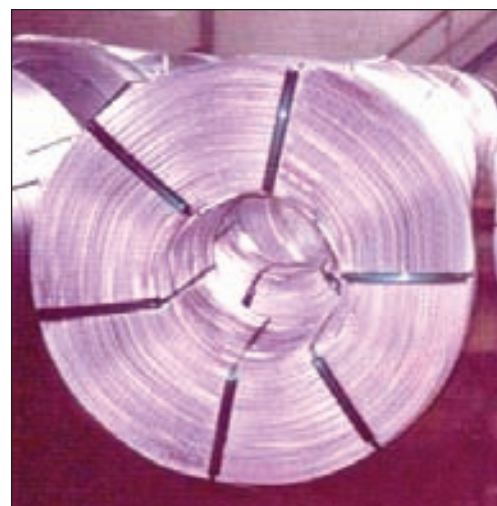
As part of Signode's complete polyester strap programme, Tenax is designed for modern strapping equipment from simple hand tools to fully automatic compression strapping systems and can be sealed with either conventional metal seals or Signode's own Friction Weld System.

Tenax polyester strap - the 'advanced', heavy duty strap that provides major operational benefits.

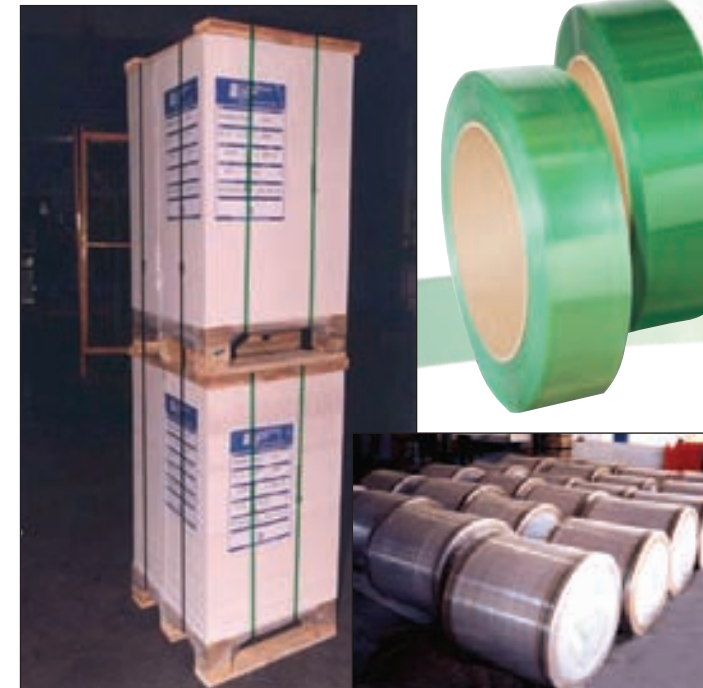
- Withstands shock forces during handling and due to its combination of strength and elasticity.
- Weather resistant - impervious to water, UV resistant and won't rust like steel.
- Excellent retention of applied tension - will not become loose around shrinking or settling loads.
- Can be tensioned up to 50% more than polypropylene strapping of equivalent size, stabilizing and preventing movement in the load. Unlike polypropylene, it won't relax or elongate.
- Low friction surface ensures high tension capability and efficient transmission of tension around package corners.
- Elastic memory enables Tenax to recover/maintain its load-holding characteristics.
- Tenax is 80% lighter than steel, reducing freight costs. Additionally, standard coils can be handled manually, without infringing directives on manual lifting.
- Up to four times more strap per standard coil than steel. Coils are not only lighter and easier to handle but require less frequent changes.
- More meters of Tenax can be stored per coil and per pallet than with comparable steel strapping.
- No sharp edges - won't cut or damage loads. Safer and more pleasant to work with.
- Polyester strapping does not spring back as violently as steel when a tensioned strap is cut.
- Environmentally friendly - Tenax is inert and will not leach chemicals into the ground if buried. Is as safe to incinerate as other common packaging materials, such as paper and wood, and produces only 0.03% ash.



Tenax is 80% lighter than steel, reducing freight costs. Additionally, standard coils / sheets can be handled manually, without infringing directives on manual lifting.



Maintaining Compression is essential in preventing the Wire Rod Coils to lose its shape and size. Tenax maintains optimum compression to maintain the shape without damaging the product surface.



In the Paper industry, Tenax provides the high strap tension levels required to create secure packs without causing damage to packed cases. Subsequent expansion of these compressed loads is prevented by Tenax's long term stability.



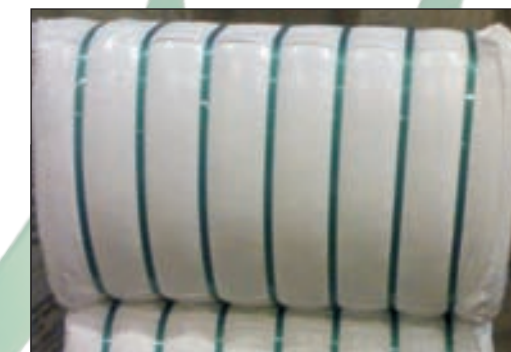
Package shape is maintained by Tenax's ability to stretch and recover in line with the movement and greatly reduces corner indentation.



The high tension level possible with Tenax provides the long term compression required to overcome the instability of loads, even when the interleaving material compresses and the load settles.



No loss of performance is experienced with Tenax even when strap is applied to surfaces up to 90°C. The problem of pack integrity, due to subsequent shrinkage when product cools, is eliminated by Tenax's elastic memory, maintaining high tension and the stability of the unit. The use of Tenax also eliminates the possibility of other metals being accidentally introduced into furnaces in subsequent production processes.



High strength coupled with a controlled level of elongation ensures excellent bale conformation and high resistance to bursting. Tenax has become the industry standard for many of the world's man-made fibre producers



Tenax provides the sustained tension essential to maintain the integrity of loads, without causing damage to the pack edge. The straps elasticity compensates for any settlement during handling, storage and transportation.