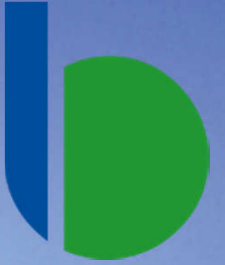


PALLETIZATION FILMS

Stretch-film CAST

With a 9 layers machine, we produce high performance film that allows great versatility. For heavy and irregular loads, with perforating corners, Our range of stretch film cast guarantees an optimal result.

With a pre stretching up to 390%, it offers a significant reduction in cost per pallet. The film does not suffer any loss of width, will not tear and retains its elastic memory to hold the load.



Stretch film (Cast)

Benefits with BARBIER

Thinner, lighter and yet stronger stretch film

More efficient in terms of load retaining force per kg in relation to standard films.

Increases load stability and secures its distribution.

Significant cost savings.

100% recyclable

The reduction of primary and secondary packaging encouraged us to develop new ranges of films in order to answer the preoccupations of crushing and a lack of stability of the pallets.

The objectives of reduction of costs in the industry favored the development of new films, more economical and more powerful.

For companies that have wrapping machines to protect loads, our machine films are the best way to protect their products and ensure they reach their clients in perfect condition. This film is a good compromise between the performance, the stability and the quantity of film deposited.

Benefits with BARBIER Stretch films high performance :

- ✓ Thinner, lighter and yet stronger stretch film easily replacing high performance cast stretch films.
- ✓ More efficient in terms of load retaining force per kg in relation to standard films. .
- ✓ Increases load stability and secures its distribution, in accordance with the 2014/47/EU European Standard publ. in "Road worthiness" from 3/4/2014.
- ✓ Reduce your overall packaging (sustainability!).

There's a noteworthy common factor in these solutions, which emphasises the damages and losses that secretly eat at your profit margins. And whether the person receiving the goods is a trade buyer or a customer, it can also damage your reputation too; leading to profit losses.

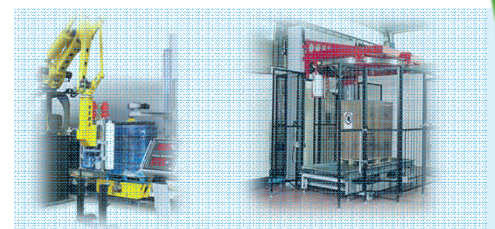
The main takeaway from this is that reducing packaging costs should never compromise product safety. If it does, you'll be putting your business down a path which has lots of expensive obstacles along the way.

If your challenge is to cost-effectively strengthen fragile loads, then a stretch-wrapping solution using reinforced film could simultaneously deliver cost saving whilst improving load integrity. Alternatively, if you're looking to reduce shipping costs by slimming down your packaging, you might go for lighter and less bulky void fill, or perhaps retention insert.

The key is identifying these small process improvements, as it could help you to save hundreds of thousands every year, even where you might not have even thought!

PALLETIZATION FILM

Stretch film (Cast)



BARSTRETCH XT high

- Coextruded stretch film,
- 9 layers cast process,
- Sticking internal (sticking external possible)
- Especially manufactured for automatic wrapping of badly shaped loads

with a maximum stretching
up to **350% in 30µm**

This high performance film allows great versatility. For light and regular loads, with no perforating corners, **BARSTRETCH XT high film** guarantees an optimal result. With a pre stretching up to 340%, it offers a significant reduction in cost per pallet. The film does not suffer any loss of width, will not tear and retains its elastic memory to hold the load.

SIZE

- Standard thicknesses:
12, 15, 17, 20, 23 and 30µm

WIDTH

500mm / 750mm / 1000mm

PACKAGING

- Standard lengths: adapted to a roll weight of 16 kg - Stacking pallets 1000x1200x1200mm of 46 rolls, which are 736 kg, (indoor storage)
- Width 750 / 1000mm - Stacking pallets 1000x1200x1200mm of 20 rolls, vertical position (indoor storage)

SIZE PROPERTIES	SPECIFICATIONS	TEST METHOD
Closed width	± 5 mm	ISO 4592
Nominal thickness	± 0,5 µm	ISO 4591
Spot thickness	± 2 µm	ISO 4593
Roll edge	< 3 mm	ISO 4592
Winding variations	< 2 mm	ISO 4592

STANDARD COLORS OPAQUE (for other colors please contact us)



STANDARD COLORS TRANSLUCENT



Barbier
PLASTIC SOLUTIONS

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The information and the data contained in this document are provided as an indication for the possible uses of the product taken in consideration. They are the result of knowledges in our possession at the time of the publication. The product can nevertheless to be used many and various way; for the applications considered, they can be realized with the best criteria of manufacturing. However, these uses remaining out of our control, we cannot in no case to be held for person in charge of the results which would be got by the user at the time of the combination or implementation of the product with other substances. The data, information and the suggestions included are as an indication. The company reserve faculty to modify the data sheets without notice.

PALLETIZATION FILM

Stretch film (Cast)



BARSTRETCH XT high

- Coextruded stretch film,
- 9 layers cast process,
- Sticking internal (sticking external possible)
- Especially manufactured for automatic wrapping of badly shaped loads

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up to **350%** in **30µm**

MECHANICAL PROPERTIES	SPECIFICATIONS						UNITS	TEST METHOD	
Product Range	UF High	XT Hight 15	XT Hight 17	XT Hight 20	XT Hight 23	XT Hight 30			
Average thickness (µm)	12	15	17	20	23	30	µm		
Tensile strength at yield (MPa) (Elastic limit)									
- machine direction	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	Mpa	ISO 527-3 ASTM D882	
- transverse direction	≥ 9	≥ 9	≥ 9	≥ 9	≥ 9	≥ 9	Mpa	ISO 527-3 ASTM D882	
Tensile strength at break (MPa)									
- machine direction	≥ 40	≥ 40	≥ 40	≥ 40	≥ 40	≥ 40	Mpa	ISO 527-3 ASTM D882	
- transverse direction	≥ 30	≥ 30	≥ 30	≥ 30	≥ 30	≥ 30	Mpa	ISO 527-3 ASTM D882	
Elongation at break (%)									
- machine direction	≥ 500	≥ 525	≥ 550	≥ 575	≥ 600	≥ 600	%	ISO 527-3 ASTM D882	
- transverse direction	≥ 600	≥ 625	≥ 650	≥ 675	≥ 700	≥ 700	%	ISO 527-3 ASTM D882	
Pre-Stretch (confirmed)	260%	290%	320%	330%	340%	350%			
Dart impact test (g)	500	500	600	600	600	600	g	ISO 7765 ASTM D1709	
Tearing resistance (cN)									
- machine direction	≥ 100	≥ 150	≥ 170	≥ 200	≥ 230	≥ 300	cN	ISO 6383/2 ASTM D1922	
- transverse direction	≥ 250	≥ 300	≥ 320	≥ 350	≥ 380	≥ 450	cN		
Coextrusion of polyethylene and ethylene copolymer									
Grade (g/10min)	3,0 ± 1,0						g/10min		
Density (g/10min)	0,918 ± 0,002						without dimension		ISO 1133 - ISO 1183



PLASTIC
SOLUTIONS

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