







# Protecting Quality Products

## About us

Packaging is critical to product differentiation and security in today's competitive era. Pioneering companies choose packaging strategies according to their desired market position. One packaging trend is using quality stretch film that provides safety and beauty for the product at the same time.

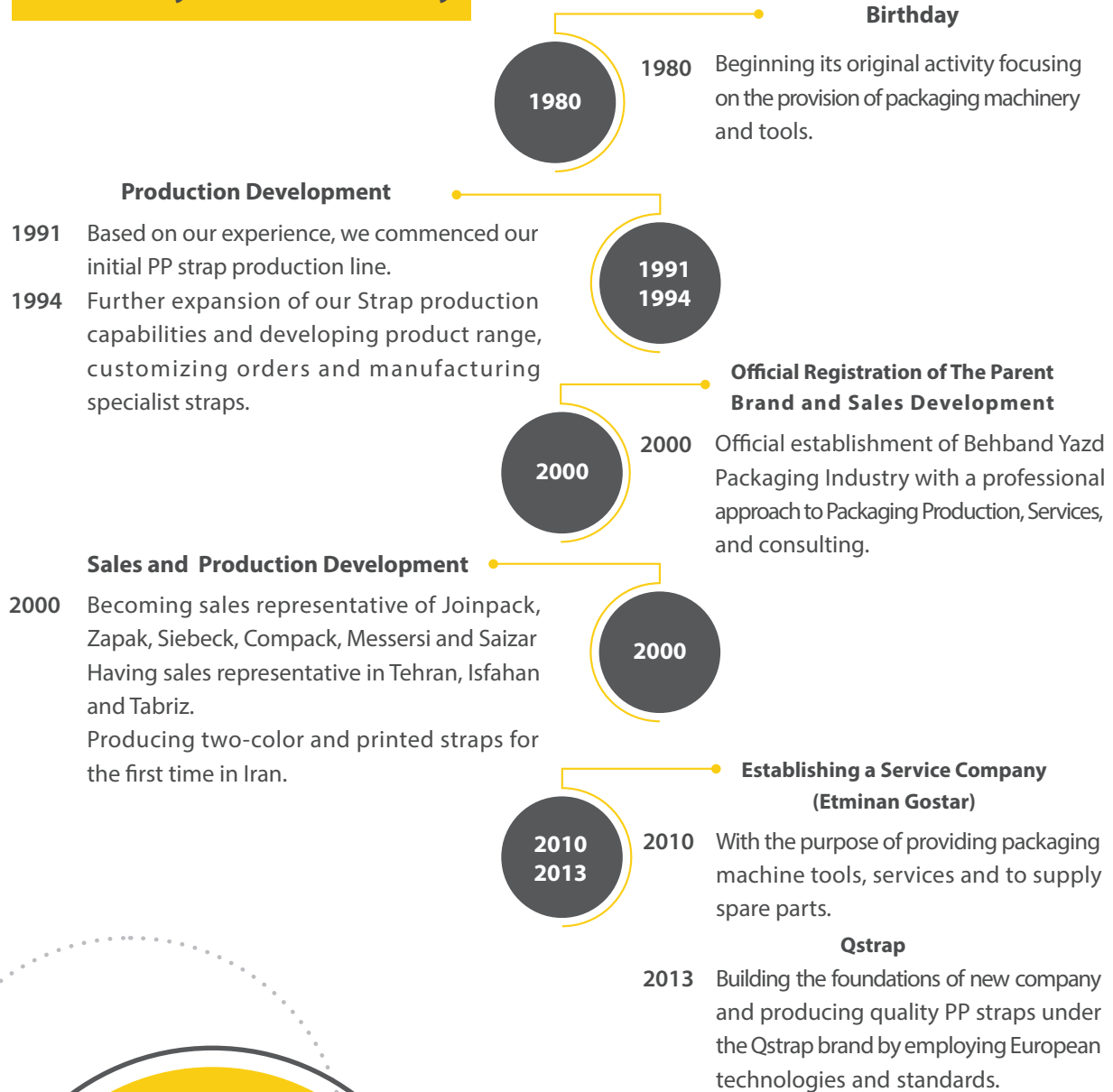
Qstretch is a new brand of quality polyethylene (PE) stretch film and is a new division of Behband Group of Companies, which is a family business dedicated to producing packaging straps for more than 3 decades.

There are a number of reasons that you should make Qstretch your choice:

- More than 3 decades of knowledge and experience in producing packaging products.
- Our founder's deep passion and dedication to the packaging industry.
- Relying on more than 150 expert human resources.
- Applying state of the art European technology.
- World-class quality control processes.
- 24 hours a day product support.
- Actively involved in exporting our.
- Dedicating ourselves helping our customers achieve their goals.



## Our Family Business History



**Qstretch**

**2014**

Producing quality polyethylene stretch film under Qstretch brand, delivering and serving all around the world.





# Our Values





# Qstretch Characteristics



## TECHNOLOGICAL LEADERSHIP

- You can benefit from our technological improvements.



## SAFETY

- Guarantee your products' security with a perfect combination of safety and beauty.  
Resistant to Ultraviolet light.



## PACKAGING SPEED

- Higher packaging speed.



## QUALITY CONTROL

- Total quality process.
- Continuous improvement.
- High-quality materials, modern technology.



## ENVIRONMENTAL FRIENDLY

- 100% recyclable.



## PRODUCT HEALTH

- No dust.
- No toxic materials.
- Recyclable.

## Qstretch Applications in Various Industries

Qstretch can be used for a variety of applications and industries. From the paper industry to construction, logistics, home appliances etc.

Whenever you need high protection, rely on Qstretch to protect your valuable products in the best way.

### ..... **Industrial Stretch** .....

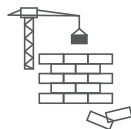
Suitable for regular applications and packaging products in different industries.

### ..... **Silage Stretch** .....

Suitable for storage of fodder in the agricultural sector.

### ..... **Food Stretch** .....

Keep your product fresh and healthy with our food stretch products under the “easy Fresh” brand.



Construction Industry



Auto Parts Industry



Polymer Industry



Agricultural Industry



Appliance Industry



Food Industry



Paper Industry



Cosmetic Industry



Textile Industry



chemical industry



Packaging Industry



Transportation Industry





## Qstretch

Qstretch is made from LLDPE. It also contains various dosages of PIB that are used as an adhesion promoter. Its dosage differentiates based on the customer's demand and its application. Qstretch is highly competitive due to its thickness consistency, superior clarity, high tensile strength, high stretch rate, and excellent puncture and tear resistance. Qstretch is available in hand grade and machine grade formats.



### ..... Hand grade stretch film .....

This film comes in a 200 - 300 % breaking elongation level and is suitable for wrapping by implementing human labor and hand application.

It is delivered around the load by stretch wrap dispensers or hand application and is used for manual stretch wrap packaging application.



### ..... Machine grade stretch film .....

Machine grade stretch film is specially made to be used on a wrapping machine. These films are divided into standard and pre-stretch films based on their stretchability, tensile strength, thickness, and puncture resistance.

## Standard Qstretch

Standard Qstretch is transparent three-layer polyethylene film, produced by using CAST technology extrusion. The standard width of this film is 500 mm. Production of customized stretch film from width 200 to 1600 mm is possible, after professional consultation and approval of the sales engineering department. It is also possible to order stretch film from 9 to 50 microns thickness.



## Qstretch Technical Sheets

You can choose the best Qstretch that matches your requirements using this table.

Technical Datasheet				
Standard Qstretch films				
Application	Width (cm)	Thickness (μ)	Elongation at break(%)	Weight (kg)
Industrial	30-50	18-50	Hand grade 200	10-15
			Machine grade 200-500	
Agricultural (silage)	30-80	35-50	250-500	15-35
Food	20-40	9-14	100-200	2-3

\* Jumbo rolls, UV-resistant stretch films, cling films, and colored stretch films are also available.



## Pre-stretch film

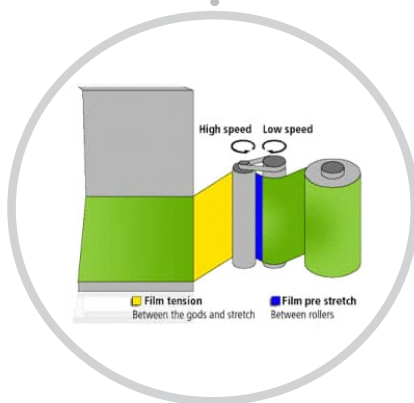
This product is suitable for pre-stretch wrapping machines. Adding special additives to the product during the process of production improves tensile strength and elongation. It also advances the puncture resistance of the films. The carriage on a pre-stretch machine is composed of the film roll and multiple rollers that dispense the film as the pallet spins. It also contains a motor with two or three powered metal or plastic rubber rollers. The rollers run at different speeds; therefore, the different speeds will pull the stretch film, which causes its ratio to be 100-200%.

Also, while the film is delivered around the load via pallet's rotation, based on the speed and tension adjustment, once again the film is stretched, which causes its ratio to be 400-600%. It means a 1-meter length film can turn 4-6 meters. These films are efficient, economical, and more consistent wrapping as the wrapping does not rely on the operator to evenly stretch the film.

This process demands the application of pre-stretch feature wrapping machine which is only available on some Asian and European machines.

By getting the same or better load stability with less product, pre-stretched film consumption can be lessened to one-half compared to standard stretch film, which creates a cost saving and is considered a value added for your organization.

Below is a picture demonstrating this process and its comparison with regular stretch film process.



## Adhesive protection film

Adhesive protection films can be used for the purpose of protecting various surfaces including steel, ceramic, uPVC, etc.

These films only cling to one side.

Adhesive protection film has high cling for easy application and leaves no residue from adhesives upon removal from products.

It is available in widths from 5 to 200 cm and thicknesses from 35 to 150  $\mu$ . This product is available in colored and transparent versions.



## Qstretch's appearance

- Product's surface must be smooth, uniform, and even with excellent optics and gloss and free of surface damage.
- Stretch film impurities ranging from 0.3 mm<sup>2</sup> to 0.6 mm<sup>2</sup> are not permitted to be more than 8 numbers in 1 m<sup>2</sup> of the film.
- Relative displacement of film layers in the roll face plane cannot exceed the allowable tolerance limit on the film width ( $\pm 5$  mm).



## Quality



- Stretch film testing which is performed to guarantee the quality of the products and goods' safety in palletized systems consists of protrusion puncture resistance of stretch wrap film, tensile properties, propagation tear resistance, elastic recovery, permanent deformation, stress Retention, and etc.
- Stretch film guaranteed characteristics are measured in certified labs.



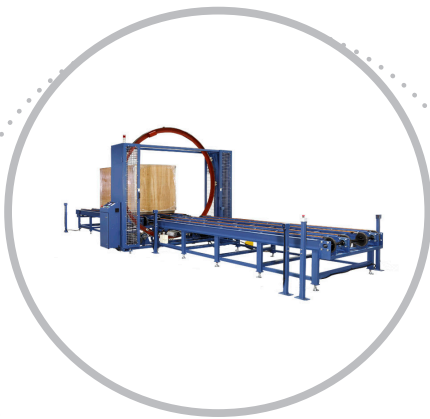
## Machinery Suitable for Qstretch

Standard stretch films ranging from 18 to 35 microns ( $\mu$ ) can be applied via standard turntable wrapping machines and standard rotary arm wrapping machines.

During the process of packaging, after the film is threaded, it is delivered around the load based on packaging speed, tension adjustment, and the load's product type.

With the rotation of the turntable or rotary arm, the stretch film is stretched and delivered around the load.

This process is directly related to the speed of pallet rotation and stretch film consumption.



**Quality products need quality protection Choose  
QStretch for your quality products**



## Packaging

Qstretch is packaged in a way that prevents all the possible mechanical damage during transportation.

- Each stretch film roll is wrapped around a paper coil that contains its ID inside.
- Standard stretch film rolls are stacked vertically up to 3 tiers which are separated using a paper spacer.
- Each pallet size is 110" x 130" and the number of standard films in each tier is 36.
- Stretch film is delivered around each load of films and the product's specifications label is attached to it.



## Storage and Transport




While stored under standard conditions of storage, the mechanical and chemical properties of the film remain acceptable for (up to) 6 months from the delivery date which means the maximum shelf life of the films should not exceed 6 months from the delivery date.

- Pallets must be kept in a dry and well-ventilated area
- Films must be kept and used between -50°C to 30°C / Acceptable temperature for storage range from -50°C to 30°C
- relative humidity of the area must not exceed 70%
- Loads must be transported via enclosed shipment containers in order to prevent mechanical damage and protect them from adverse climate conditions
- No more than 2 pallets should be stored on top of each other.
- LLDPE stretch film is prone to damage, therefore not using safe shipment, freight, handling and etc. techniques can cause mechanical damage to the product.











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