



# STRETCH FILM PRODUCTS

## PACKAGING FILMS

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# STRETCH MACHINE FILM

Intrapac offering includes stretch film products that provide enduring performance, maximum efficiency and unmatched value. Our full suite of machine films offers the best quality and selection for your most demanding applications. Packaging specialists can help you optimize your stretch wrapping process.

## ST17 Standard Stretch Machine

### Description:

It is a polyethylene stretch film, 5 and 7-layer co-extruded, LLDPE (Cast technology), with a guaranteed pre-stretch of 150%. The Thickness of the film between 15-35 microns depends on the valuable customer's requirement.

The film is transparent in its standard version, with the cling side on the internal layer. ST17 is an extremely versatile stretch film, which can be used in all applications of industrial packaging.

### TECHNICAL DATA SHEET

Film Properties	Unit	MD	CD	Standard Applied
Yield Tensile Strength	N/mm <sup>2</sup>	9	8	ASTM D882-97
Tensile Strength at Break	N/mm <sup>2</sup>	22	15	
Elongation at Break	%	323	430	
Tear Strength	Mn	2046	2924	ASTM D1922-94
Impact Strength	g	138		ASTM D1709-98
Guaranteed Pre - Stretch	%	150		Stretch Method
Maximum Pre - Stretch	%	180		Stretch Method

Above mechanical and Physical properties are based on following parameters: Film thickness 23 micro mm, Ambient temperature 23-25 degree centigrade: Relative Humidity: 50% ± 5%.

Thickness available in Micro mm **15,17,20,21,23,25,30,35** | Corresponding Roll Length in mm **6,000,2000,1700,1500,1300,1000**  
 Standard Roll Configuration Film Width 500mm, Roll Weight 16 - 60 Kgs, Clear (Other Specifications available on request. )  
 Packing 46/16 Rolls per Standard Pallet of 1000x1200mm

## STA17 Above Standard Stretch Machine

### Description:

It is a polyethylene stretch film, 5 and 7-layer co-extruded, LLDPE (Cast technology), with a guaranteed pre-stretch of 170%. The Thickness of the film between 15-35 microns depends on the valuable customer's requirement.

The film is transparent in its standard version, with the cling side on the internal layer. STA17 is an extremely versatile stretch film, which can be used in all applications of industrial packaging.

### TECHNICAL DATA SHEET

Film Properties	Unit	MD	CD	Standard Applied
Yield Tensile Strength	N/mm <sup>2</sup>	9	8	ASTM D882-97
Tensile Strength at Break	N/mm <sup>2</sup>	25	18	
Elongation at Break	%	398	519	
Tear Strength	Mn	2558	3656	ASTM D1922-94
Impact Strength	g	165		ASTM D1709-98
Guaranteed Pre - Stretch	%	170		Stretch Method
Maximum Pre - Stretch	%	190		Stretch Method

Above mechanical and Physical properties are based on following parameters: Film thickness 23micro mm, Ambient temperature 23-25 degree centigrade: Relative Humidity: 50% ± 5%.

Thickness available in Micro mm **15,17,20,21,23,25,30,35** | Corresponding Roll Length in mm **6,000,2000,1700,1500,1300,1000**  
 Standard Roll Configuration Film Width 500mm, Roll Weight 16 - 60 Kgs, Clear (Other Specifications available on request. )  
 Packing 46/16 Rolls per Standard Pallet of 1000x1200mm



# ST16P Power Stretch Machine

## Description:

It is a polyethylene stretch film, 5 and 7-layer co-extruded, LLDPE (Cast technology), with a guaranteed pre-stretch of 250%. The Thickness of the film between 15-35 microns depends on the valuable customer's requirement.

The film is transparent in its standard version, with the cling side on the internal layer. ST16P is an extremely versatile stretch film, which can be used in all applications of industrial packaging.

## TECHNICAL DATA SHEET

Film Properties	Unit	MD	CD	Standard Applied
Yield Tensile Strength	N/mm <sup>2</sup>	10	9	ASTM D882-97
Tensile Strength at Break	N/mm <sup>2</sup>	36	24	
Elongation at Break	%	502	646	
Tear Strength	Mn	3274	4680	ASTM D1922-94
Impact Strength	g	190		ASTM D1709-98
Guaranteed Pre - Stretch	%	250		Stretch Method
Maximum Pre - Stretch	%	260		Stretch Method

Above mechanical and Physical properties are based on following parameters: Film thickness 23 micro mm, Ambient temperature 23-25 degree centigrade: Relative Humidity: 50% ± 5%.

Thickness available in Micro mm **15,17,20,21,23,25,30,35** | Corresponding Roll Length in mm **6,000,2000,1700,1500,1300,1000**  
Standard Roll Configuration Film Width 500mm, Roll Weight 16 - 60 Kgs, Clear (Other Specifications available on request.)  
Packing 46/16 Rolls per Standard Pallet of 1000x1200mm

# ST14 Super Power Stretch Machine

## Description:

It is a polyethylene stretch film, 5 and 7-layer co-extruded, LLDPE (Cast technology), with a guaranteed pre-stretch of 300%. The Thickness of the film between 15-35 microns depends on the valuable customer's requirement.

The film is transparent in its standard version, with the cling side on the internal layer. ST14 is an extremely versatile stretch film, which can be used in all applications of industrial packaging.

## TECHNICAL DATA SHEET

Film Properties	Unit	MD	CD	Standard Applied
Yield Tensile Strength	N/mm <sup>2</sup>	11	9.50	ASTM D882-97
Tensile Strength at Break	N/mm <sup>2</sup>	48	33	
Elongation at Break	%	630	810	
Tear Strength	Mn	4095	5852	ASTM D1922-94
Impact Strength	g	190		ASTM D1709-98
Guaranteed Pre - Stretch	%	300		Stretch Method
Maximum Pre - Stretch	%	330		Stretch Method

Above mechanical and Physical properties are based on following parameters: Film thickness 23micro mm, Ambient temperature 23-25 degree centigrade: Relative Humidity: 50% ± 5%.

Thickness available in Micro mm **15,17,20,21,23,25,30,35** | Corresponding Roll Length in mm **6,000,2000,1700,1500,1300,1000**  
Standard Roll Configuration Film Width 500mm, Roll Weight 16 - 60 Kgs, Clear (Other Specifications available on request.)  
Packing 46/16 Rolls per Standard Pallet of 1000x1200mm





# PE STRETCH FILM

## ULTRA VIOLET SHADING STRECH FILM

ST16UV shading stretch film, contains an additive used in making stretch films that require protection from sunlight.

UV rays weaken non-UV protected stretch film wrapped products causing them to lose strength and load integrity.

Through the additive, the shelf life of the poly protecting a pallet or a product is greatly increased.

In direct sun lights, plastics degrade.

When poly begins to deteriorate, the physical makeup of the film begins to change, resulting in yellowing, discoloration, chalking, and this may lead eventually to the risk of product damage and pallet shattering.

UV exposure impacts the strength of the film, weakening it, and causing cracking and chalking.

Available in both hand and machine rolls and is of premium quality.

### TECHNICAL DATA SHEET

Film Properties	Unit	MD	CD	Standard Applied
Yield Tensile Strength	N/mm <sup>2</sup>	10	9	ASTM D882-97
Tensile Strength at Break	N/mm <sup>2</sup>	36	24	
Elongation at Break	%	502	646	
Tear Strength	Mn	3274	4680	ASTM D1922-94
Impact Strength	g	190		ASTM D1709-98
Guaranteed Pre - Stretch	%	240		Stretch Method
Maximum Pre - Stretch	%	260		Stretch Method

#### Features & Benefits:

- Ultraviolet additive extends stretch film integrity during sun light exposure
- Excellent force to load reduces film breaks/tears
- Suitable for use on valuable goods to be stored outdoors or where you don't want the light to fade the packaging of your products
- UV additive will protect the film from break down and the opacity of the film will significantly extend the life of products stored outside.
- Increased product protection from environmental elements such as dirt, dust and moisture, keeping your product clean and dry
- Patented dispensing system provides tension control for maximum film stretch to save on film

STUV is available in a variety of standard lengths and thicknesses with differing properties.

Products with alternative thicknesses and lengths can be made to order, if required.



# PE STRETCH FILM

## OXO-BIODEGRADABLE



STO16 Keep your products secure in brand new biodegradable stretch film. It's an important milestone in long-term objective of providing greener packaging solutions that are friendly to planet but still conform to high standards of performance.

The properties are achieved by the addition of an oxo-biodegradable additive to the film which changes the behaviour so that it breaks down and degrades, regardless of the disposal route. The beauty of this is that we can engineer the film to a desired lifespan depending on your requirements.

*Non-toxic*

*%100 biodegradable and recyclable*

*Compliant with UK, EU and US food regulations*

*Identical in performance to standard stretch film*

### PRODUCT AVAILABILITY

Thickness (micron)	Pre-stretch (%)	Width (mm)	Qty/Pallet (Rolls)
23	140~160	500	46
23	220~250	500	46
23	280~320	500	46

#### Features:

- Exceptional high stretch capability
- High transparency and clarity
- Strong tear and puncture resistance
- Excellent barrier properties
- Robust five-layer structure

#### Benefits:

- High value-in-use, most economical cost wrapping
- Easy barcode reading and visual product identification
- Protects goods from mechanical damage during shipping
- Protects goods from moisture, dirt, sand and dust
- Easy application, will not tear in the machine

OXO is available in a variety of standard lengths and thicknesses with differing properties. Products with alternative thicknesses and lengths can be made to order, if required.



# HAND ROLL STRETCH FILM

offering includes stretch film products that provide enduring performance, maximum efficiency and unmatched value. Our full suite of machine films offers the best quality and selection for your most demanding applications. Packaging specialists can help you optimize your stretch wrapping process.

## ST4 Hand Roll Stretch Film

### Description:

It is a polyethylene stretch film, 5 and 7-layer co-extruded, LLDPE (Cast technology), with a guaranteed pre-stretch of 140%. The Thickness of the film between 15-35 microns depends on the valuable customer's requirement.

The film is transparent in its standard version, with the cling side on the internal layer. ST4 is an extremely versatile stretch film, which can be used in all applications of industrial packaging.

## TECHNICAL DATA SHEET

Film Properties	Unit	MD	CD	Standard Applied
Yield Tensile Strength	N/mm <sup>2</sup>	9	8	ASTM D882-97
Tensile Strength at Break	N/mm <sup>2</sup>	22	15	
Elongation at Break	%	323	430	
Tear Strength	Mn	2046	2924	ASTM D1922-94
Impact Strength	g	130		ASTM D1709-98
Guaranteed Pre - Stretch	%	140		Stretch Method
Maximum Pre - Stretch	%	150		Stretch Method

Above mechanical and Physical properties are based on following parameters: Film thickness 23 micro mm, Ambient temperature 23-25 degree centigrade: Relative Humidity: 50% ± 5%.

Thickness available in Micro mm **15,17,20,21,23,25,30,35** | Corresponding Roll Length in mm **1.80,2.0,2.20,2.40,2.50,2.60,3.0,3.20,3.40,4.20**  
Standard Roll Configuration Film Film Width 500mm, Roll Weight 2.40 Kgs, Clear (Other Specifications available on request.)  
Packing 528 Rolls per Standard Pallet of 1000x1200mm. Upon request other Palletizing methods possible.

PE Stretch Films are an additional strength in packaging needs - the quality packaging material for the modern age packaging. It is structured with exotic polyolefin of the new generation to give the cutting edge Stretch Films are 100% Linear Low Density Polyethylene (LLDPE) based films. Linear Low Density Polyethylene was introduced in stretch film in the mid 70s. Advances in resin technology have made it possible to stretch polyethylene films to a great extent (> 300%) without rupture.

Stretch Film in 5-7 layers is co-extruded with thickness 17µm to 35µm, mostly transparent and color supplied in rolls (Jumbo/ Machine/ manual).

These films are used to wrap loads, protect products during storage and shipment (secondary packaging)

These films, often with high elongation properties, can be wrapped around goods either by hand

(manual stretch or hand wrap film) or by means of a wrapping machine (automatic or machine stretch).

The major advantage of stretch film is that it can be easily used to wrap irregular loads (in contrast with shrink/stretch hoods) with a minimum of effort - even by hand. Another advantage of stretch film is that the machinery to apply the stretch film requires a low investment compared to machinery for shrink and stretch hoods.



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