

# Polyethylene Film

## Stretch Cast Transparente

### Premium Biodegradable

Application  
Automatic

#### ● Description:

Premium Transparent Stretch cast film is made from special low-density linear polyethylene resins that have excellent optical, mechanical and compaction properties. Used as protective packaging and unitization of loads during transportation and storage. Suitable for pre-stretching processes before use or palletized application for orbital platforms

#### ● Main characteristics:

- Biodegradable film with compound in its formulation that meets the ASTM standard 06954-II in all phases, obtaining international certifications such as SP, FDA, INTERTEC and ROHS;
- Shelf Life 2 years;
- Absence of toxic waste in decomposition;
- Possibility of control over the useful life of the material because the degradation by oxidation will only be activated when the material is discarded in the environment and suffers weathering;
- Biodegradable film without changing its final characteristics.

- Excellent tensile and perforation strength..
- High bonding power.
- Good optical properties (brightness and transparency).
- High load retention (compaction).
- Protection against moisture and dust.

#### ● Applications:

It is used for automatic palletizing of products in the beverage, food, cosmetics, hygiene and cleaning, pharmaceutical, shoe, textile, etc. industries. It can be produced with thicknesses between 0.017 and 0.040mm, with and without the core ideal for production of stretch film pre-stretched or use in orbital palletizers. It complies with ANVISA'S regulations to enter in direct contact with food.

#### ● Important considerations:

It is recommended to store this product at temperatures that do not exceed 30°, in the shade, with relative humidity up to 60%, may exhibit physical property decay under uncontrolled storage conditions. In addition, it must be used within the expiration date on the ID labels. Maintain proper turnover of expiration dates (FIFO). The information given in the data sheets shall be considered as comparative parameters and should not be assumed as guaranteed. Other specifications can be met through consultation and approval by our technical department.

Dimensional Properties		
Dimensions	Unit	Allowance
Width	mm	+ ou -10
Thickness	%	+ ou -10
Weight	%	+ ou -10
Internal Diameter	inches	3
Coil Weight	%	+ ou -5
External diameter	mm	+ ou -10

Dimensional Properties							
Properties	Method	Unit	Thickness in mm				
			0,017	0,020	0,025	0,030	0,040
Maximum Tensile Strength *OM	ASTM D882	Kgf	1,90	2,30	2,70	3,50	4,30
Maximum Tensile Strength *OT	ASTM D882	Kgf	1,20	1,70	2,00	2,90	3,20
Split lengthening *OM	ASTM D882	%	250-300	275-325	300-350	325-375	375-425
Split lengthening *OT	ASTM D882	%	350-400	375-425	400-450	425-475	500-550
Puncture resistance	GDM	Kgf	0,60	0,65	0,70	0,77	0,86
Puncture resistance in the lengthening (250%)	GDM	Kgf	0,40-0,45	0,45-0,50	0,50-0,55	0,55-0,65	0,65-0,75
Uncoiling force (grip)	GDM	Kgf	3,5	3,5	3,5	3,5	3,5

\*OM - Machine Steering

\*OT - Cross Steering

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