

Polyethylene Film

Transparent Stretch Cast

Automatic Biodegradable

● Description:

Biodegradable Automatic Transparent Cast Stretch Film is produced from low-density linear polyethylene resins that have excellent optical, mechanical and compaction properties. It is used as protective packaging and use of cargo during transportation and storage. It is a film approved for use in conventional automatic palletizers and can be supplied with or without a tube.

● Main characteristics:

- Biodegradable film, with compound in its formulation that meets the ASTM D6954-4 standard in all phases, obtaining international certifications such as SP, FDA, INTERTEC and ROHS;
- 2 year Shelf Life;
- Absence of toxic waste in its 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.
- High resistance to traction;

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

● Applications:

Suitable for automatic palletizing in the beverage, paper and pulp, food and packaging industries in general. Ideal for use in conventional turntable palletizers. It can be produced with thicknesses between 0.017 and 0.040 mm, with and without a tube. Meets ANVISA's regulations for direct contact with food.

● Important considerations:

It is recommended to store this product at temperatures not exceeding 30°C, in the shade, with relative humidity up to 60%, as it may present decay of physical properties in 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 technical data sheets should be considered as comparative parameters and should not be taken as a guarantee. Other specifications can be met upon consultation and approval by our technical department.

Dimensional Properties		
Dimensions	Unit.	Tolerance
Width	mm	+ ou - 10
Thickness	%	+ ou - 10
Weight	%	+ ou - 10
Internal Diameter	inch	3
Coil Weight	%	+ ou - 5
External Diameter	mm	+ ou - 10

Main properties							
Properties	Method	Unit.	Thickness in mm				
			0,017	0,020	0,025	0,030	0,040
Maximum Tensile Strength *DM	ASTM D882	Kgf	1,5	1,7	2,0	2,5	3,0
Maximum Tensile Strength *DT	ASTM D882	Kgf	0,5	0,9	1,2	1,8	2,2
Split lengthening *DM	ASTM D882	%	200-250	225-325	250-300	275-325	325-350
Split Lengthening *DT	ASTM D882	%	300-350	325-375	350-400	375-425	450-500
Resistance to Puncturing	GDM	Kgf	0,5	0,52	0,55	0,60	0,68
Puncture Resistance Stretching (250%)	GDM	Kgf	0,35-0,40	0,40-0,45	0,45-0,50	0,50-0,55	0,60-0,65
Uncoiling force (grip)	GDM	Kgf	3,0	3,0	3,0	3,0	3,0

*DM - Machine Steering | *DT - Cross Direction | *NT - Untreated Face