

Manual Polyethylene Transparent Stretch Cast CST Manual

Manual Application

● Description:

Manual Transparent Stretch Cast Film is produced from linear low density polyethylene resins that exhibit excellent optical, mechanical and compaction properties. It is used as protective packaging and use of cargo during transportation and storage.



● Main characteristics:

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

● Applications:

It is used for manual palletizing of products in the industries of beverages, food, cosmetics, hygiene and cleaning, pharmaceuticals, footwear, textiles, etc. It can be produced with thicknesses between 0.017 and 0.040 mm, with and without a tube. For applications in direct contact with food, consult the technical area.

● 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	+ or -10
Thickness	%	+ or -10
Weight	%	+ or -10
Internal Diameter	inch	2 and 3
Coil Weight	%	+ or -5
External Diameter	mm	+ or -10

Main properties							
Properties	Method	Unit.	Thickness in mm				
			0,017	0,020	0,025	0,030	0,040
Maximum Tensile Strength *MD	ASTM D882	Kgf	1,30	1,50	1,80	2,00	2,20
Maximum Tensile Strength *CD	ASTM D882	Kgf	0,40	0,75	1,00	1,50	2,00
Stretching at break *MD	ASTM D882	%	150-200	175-225	200-250	225-275	300-350
Stretching at break *CD	ASTM D882	%	275-325	300-350	325-375	350-400	425-475
Resistance to Puncturing	GDM	Kgf	0,40	0,45	0,50	0,55	0,65
Resistance to Puncture in the Stretching (250%)	GDM	Kgf	0,30-0,35	0,35-0,40	0,40-0,45	0,45-0,50	0,55-0,60
Uncoiling force (grip)	GDM	Kgf	2,5	2,5	2,5	2,5	2,5

* MD - Machine Direction | * CD - Cross Direction | * Methodology - GDM