

# Polyethylene Film

## Transparent Cast Stretch

### Pre-stretched Biodegradable

Automation and  
Application Manual

#### ● Description:

The Pre-stretched Transparent Cast Stretch Film is a new concept of film, produced with special resins in equipment of Pre-stretching of last generation with thickness of 8 and 10 meters. Estimated reduction 10% in film consumption per pallet can be used in manual and automatic application.

#### ● Main characteristics:

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

- Higher yield, less film consumption per pallet
- Highly resistant composition.
- Reinforced edges.
- Greater stability in transport.
- Fast application.
- Lighter coils.
- Protection against moisture and dust.

#### ● Applications:

Used to palletize the manual or automatic in the beverage, paper and pulp, food and packaging industries in general.

It can be produced with thicknesses of 8 and 10 microns, with and without core and with or without lateral reinforcement. It is produced with widths between 1.80 and 1.50 mm. Meets ANVISA's regulations for direct contact with food.

#### ● Important considerations:

It is recommended to store this product at temperatures that do not exceed 30°C, in the shade, with relative humidity up to 60%, because 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 thermal 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  |

| Main Properties              |           |      |                 |       |
|------------------------------|-----------|------|-----------------|-------|
| Properties                   | Method    | Unit | Thickness in mm |       |
|                              |           |      | 0,008           | 0,010 |
| Maximum Tensile Strength *DM | ASTM D882 | Kgf  | 1,9             | 2,0   |
| Split lengthening *DM        | ASTM D882 | %    | 0,08            | 0,10  |
| Puncture Resistance          | GDM       | Kgf  | 400             | 500   |
| Unwinding Strength           | GDM       | Kgf  | 2,0             | 2,0   |

\*DM - Machine Direction

\*Methodology - GDM

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