

BOPET Film

OPET PlainFilm

ET-TR



Copolyester with high cross-linking rate and thermal resistance on one side, one side corona treated

Description

Transparent film, copolyester with high cross-linking and thermal resistance on one side, corona treated on reverse side. The base raw material is PET homopolymer with enhanced clarity on its three layers. The corona treated side is located on the outside face of the reel.

Main Characteristics

- Suitable for high-temperature filling and retort processes, with a resistance exceeding 120°C.
- High chemical resistance for packaging aggressive liquids.
- Outstanding processability in high-vacuum metallization processes.
- Excellent adhesion to aluminum, adhesives, and a variety of inks.
- Very good clarity.
- Excellent flatness and dimensional stability.

Applications

This product is a multi-purpose film designed for use in a great variety of high performance and technically demanding packaging processes in the food packaging industry and other industrial applications. It is also compatible with various printing methods, including flexography, rotogravure, UV, EB, and digital (with primer). It meets the FDA regulations for food contact.

* Important Considerations

- It is recommended to store this material at conditions not exceeding 30°C, under shade and with a relative humidity of 60%. To protect against humidity and avoid film blocking, rolls should stay covered with the plastic overwrap when not in use.
- The information in this data sheet is based on tests carried out in our laboratories and it is intended to be used for reference only, and does not constitute a specification; therefore, should not be construed as a guarantee of performance. It is the responsibility of the user to carry out the necessary tests to guarantee its use for the intended applications.
- This product complies with FDA and EU regulations. For more detailed information about our technical and regulatory documents, please visit our website: <https://www.obengroup.com/en/documents>

Standard Dimensions *

| Film Code | Thickness (µm) | Unit Weight (g/m ²) | Width (mm) | Core Size | 760 mm Ø Outside Diam. | | Treatment |
|-----------|----------------|---------------------------------|-------------|-----------|------------------------|----------------|----------------------------|
| | | | | | Length (m) | Weight (kg/cm) | |
| ET 10 TR | 10.0 | 13.9 | 400 a 2,000 | 6" | 39,400 | 5.49 | Corona Out/ Copolyester In |
| ET 12 TR | 12.0 | 16.7 | | | 32,800 | | |

*This product has lot size and width restrictions. Please consult your sales representative.

Typical Values of Physical Properties **

**Information and data presented in this data sheet is intended to be used as general guidelines. Physical properties specifications are available upon request.

| Property | Unit | Testing Method | Thickness in Microns | |
|--|--|----------------|----------------------|------|
| | | | 10.0 | 12.0 |
| Haze | - | ASTM D1003 | 3.0 | |
| Gloss 45° | - | ASTM D2457 | 130 | |
| Coefficient of Friction - Kinetic | T/T | ASTM D1894 | 0.35 | |
| | R/R | | 0.35 | |
| Tensile Strength | DM | ASTM D882 | 230 | |
| | DT | | 270 | |
| Elongation at Break | DM | | 120 | |
| | DT | | 80 | |
| Surface Tension | T | ASTM D2578 | 56 | |
| | R | | 50 | |
| Shrinkage (150 °C, 30 min) | - | ASTM D1204 | 2.0 | |
| | - | | 1.0 | |
| Water Vapor Transmission Rate (38 °C, 90 % R.H.) | g/(m ² .día) | ASTM F1249 | 40 | 38 |
| Oxygen Transmission Rate (23 °C, 0 % R.H.) | cm ³ /(m ² .día) | ASTM D3985 | 125 | 100 |

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