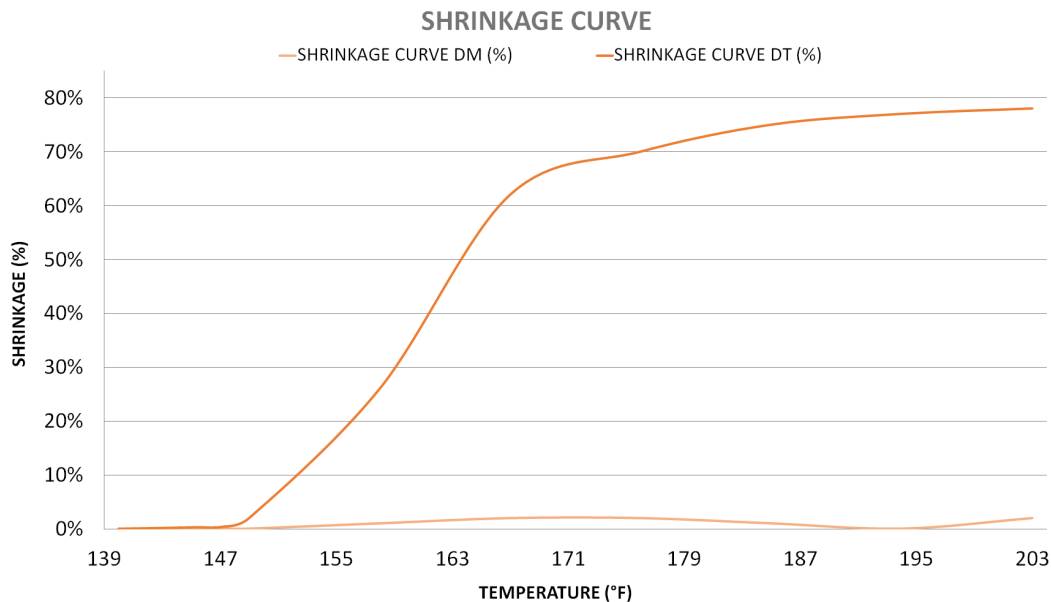


## PET-S ShrinkFilm



*High thermal resistance heat-shrinkable polyester film*

### Description

High thermal resistance heat-shrinkable polyester film, transparent, transversely oriented, which provides thermal shrink properties designed to wrap cylindrical containers with simple or complex geometries, delivering a uniform finish. This film is characterized by maintaining high gloss, rigidity, and a versatile shrink curve. Its high thermal resistance properties allow full compatibility with PET resin recycling processes.

### Main Characteristics

- High recyclability in PET resin.
- Excellent transparency and gloss.
- Good mechanical properties.
- Recommended for steam tunnels.

### Applications

This product is designed for high-speed labeling processes, as well as industrial applications. It is compatible with multiple printing methods, including flexography, rotogravure, and digital printing, as well as with various types of inks such as UV and digital solvent inks. It complies with FDA and EU regulations for food contact.

#### \* Important Considerations

\*It is recommended to store this product at temperatures not exceeding 30°C, in a place without direct sun exposure and with a relative humidity close to 60%. To protect it from moisture and prevent film blocking, the rolls must remain covered with plastic wrapping when not in use.

\*The information in this data sheet is based on tests conducted in our laboratories and is intended to be used as reference only, not as a specification. Therefore, it should not be interpreted as a performance warranty. It is the user's responsibility to conduct the necessary tests to ensure its suitability for the intended applications.

\*This product complies with FDA and EU regulations. For more information, please visit our website: <https://www.obengroup.com/es/documentos>

## Standard Dimensions \*

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

| Film Code  | Thickness (mils) | Yield (in <sup>2</sup> /lb) | Width (in) | Core Size | 22 1/2" Outside Diam. |                | 30" Φ Outside Diam. |              |
|------------|------------------|-----------------------------|------------|-----------|-----------------------|----------------|---------------------|--------------|
|            |                  |                             |            |           | Length (ft)           | Weight (lb/in) | Largo (m)           | Peso (kg/cm) |
| TESC 40 NN | 1.57             | 13,500                      | 14 to 80   | 3" & 6"   | 18,044                | 16.30          | 33,700              | 30.12        |
| TESC 45 NN | 1.77             | 12,000                      |            |           | 16,210                |                | 29,960              |              |
| TESC 50 NN | 1.97             | 10,800                      |            |           | 14,440                |                | 26,940              |              |
| TESC 55 NN | 2.17             | 9,800                       |            |           | 13,300                |                | 24,510              |              |
| TESC 60 NN | 2.36             | 9,000                       |            |           | 12,140                |                | 22,480              |              |

## 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 Mils |      |      |      |      |
|-----------------------------------|----|--------|----------------|-------------------|------|------|------|------|
|                                   |    |        |                | 1.57              | 1.77 | 1.97 | 2.17 | 2.36 |
| Haze                              | -  | %      | ASTM D1003     | 4.0               |      |      |      |      |
| Gloss 45°                         |    |        | ASTM D2457     | 105               |      |      |      |      |
| Coefficient of Friction - Kinetic |    | -      | ASTM D1894     | 0.40              |      |      |      |      |
| Surface Tension                   |    | dyn/cm | ASTM D2578     | 40                |      |      |      |      |
| Tensile Strength                  | DM | lb/in² | ASTM D882      | 7,300             |      |      |      |      |
|                                   | DT |        |                | 36,300            |      |      |      |      |
| Elongation at Break               | DM | %      |                | 600               |      |      |      |      |
|                                   | DT |        |                | 60                |      |      |      |      |
| Secant Modulus 2%                 | DM | lb/in² |                | 217,600           |      |      |      |      |
|                                   | DT |        |                | 522,200           |      |      |      |      |
| Shrinkage ( 203 °F, 30 min)       | DM | %      | ASTM D1204     | 1.0               |      |      |      |      |
|                                   | DT |        |                | 78                |      |      |      |      |

