

PROVISIONAL

# TS18TI-TW

BOPP FILMS

TRANSPARENT ONE SIDE CORONA TREATED & OTHER SIDE  
UNTREATED FILM FOR TWIST APPLICATIONS



Corona Treated Printable Surface  
Modified OPP Core  
Untreated Surface



AVAILABLE  
CALIPERS

## DESCRIPTION

OPP TS-TW is transparent BOPP film. It is one side corona treated for printing purpose and other side Untreated surface. Film is specifically designed to provide good twist retention and dead fold properties so as to be used either single layer or in lamination with other twist grade BOPP/CPP.

## PRODUCT FEATURES

- Good twist retention properties
- Excellent stiffness and mechanical properties
- Controlled COF for better twist retention
- Good moisture and oxygen barrier

## APPLICATIONS

Twist wrapping for

- Hard boiled Candies
- Chocolates
- Toffees / Mints etc.
- Household & Detergents

## NOMENCLATURE

TS18TI-TW..Corona treated printable surface is Inside & Untreated surface is Outside

TS18TO-TW..Corona treated printable surface is Outside & Untreated surface is Inside

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|            | PROPERTIES             | POSITION    | TS18TI-TW | UNITS                 | TEST METHOD     |
|------------|------------------------|-------------|-----------|-----------------------|-----------------|
| GENERAL    | Nominal Thickness      | -           | 18        | μ                     | Internal Method |
|            | Density                | -           | 0.91      | g/cc                  | Internal Method |
|            | GSM                    | -           | 16.4      | g/m <sup>2</sup>      | Internal Method |
|            | Yield                  | -           | 61.0      | m <sup>2</sup> /kg    | Internal Method |
| OPTICAL    | Gloss                  | -           | 95        | GU                    | ASTM D 2457     |
| SURFACE    | Wetting Tension        | -           | 38*       | dy/cm                 | ASTM D 2578     |
|            | COF (Maximum)          | Film / Film | 0.30      | -                     | ASTM D 1894     |
| MECHANICAL | Elastic Modulus        | -MD         | 27000     | kg/cm <sup>2</sup>    | ASTM D 882      |
|            |                        | -TD         | 45000     |                       |                 |
| THERMAL    | Linear Shrinkage (max) | -MD         | 5         | %                     | Internal Method |
|            |                        | -TD         | 3         |                       |                 |
| BARRIER    | WVTR (38°C, 90% rh)    | -           | 5         | g/m <sup>2</sup> /day | ASTM F 1249     |

The figures and above properties refer to typical values which are indicative only. Customers should verify the suitability of the film for its specific end use. Therefore this document will not represent a product specification.

#### **GUIDELINES FOR STORAGE**

Temperature should preferably be less than 30°C & humidity 55±5% in storage areas and material should be consumed with three months of receipt. OPP films should be allowed to reach operating room temperature 24 hours before use. Film characteristics are maintained for six months from the date of manufacturing.

#### **FOOD CONTACT**

OPP films complies with the requirements of FDA, EC & REACH regulations. Specific documentation is available on request.

#### **SAFETY**

Compliance with industrial health and safety standards. OPP films do not present any significant danger to health and safety in the workplace, provided they are used for the intended purpose in accordance with conventional practices and that health & safety regulations are observed. Relevant guidelines can be found in our MSDS (available upon request).

#### **CAUTIONS**

- Film characteristics are maintained for six months from the date of invoicing.
- Coated reels must not be stacked.