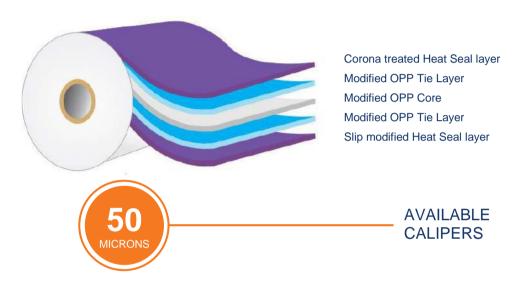
# TS50PRN-I

# TRANSPARENT HEAT SEALABLE 50 MICRON BOPP FILM PRINTABLE GRADE FOR OVERWRAP APPLICATIONS - INSIDE PRINTABLE



#### **DESCRIPTION**

OPP TSPRN-I is transparent co-extruded both side heat sealable **BOPP** film. It is one side corona treated and both side heat sealable. It is specially designed for printed overwrapping applications where Machinability is a key factor.

### **PRODUCT FEATURES**

- Good Sealing Properties
- Good Anti-static & slip property
- Good Optical properties
- Good Stiffness and Mechanical Properties
- Good performance on HFFS & VFFS machines

#### **APPLICATIONS**

For Bundle Overwrap and other printable Overwrap (Non Shrink);

- Confectionary (chocolate/gum/sugar)
- Bakery (Biscuits/cookie/crackers)
- Health care & Beauty care
- Household and detergents

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|            | PROPERTIES                                   | POSITION                     | TS50PRN-I                   | UNITS   | TEST METHOD  |
|------------|--|------------------------------|-----------------------------|---|--|
| GENERAL    | Nominal Thickness<br>Density<br>GSM<br>Yield | -<br>-<br>-                  | 50<br>0.91<br>45.5<br>22.0  | μ<br>g/cc<br>g/m <sup>2</sup><br>m <sup>2</sup> /kg | Internal Method<br>Internal Method<br>Internal Method<br>Internal Method |
| OPTICAL    | Haze<br>Gloss                                | -                            | 3.0<br>90                   | %<br>GU   | ASTM D 1003<br>ASTM D 2457   |
| SURFACE    | Dynamic COF  Wetting Tension                 | Film/Film<br>Film/Metal<br>- | 0.30<br>0.25<br>38          | -<br>-<br>dynes/cm                                  | Internal Method<br>Internal Method<br>ASTM D 2578                        |
| MECHANICAL | Tensile Strength (at break)                  | -MD<br>-TD                   | 1300<br>2700                | kg/cm <sup>2</sup>                                  | ASTM D 882   |
|            | Elongation<br>(at break)<br>Elastic Modulus  | -MD<br>-TD<br>-MD<br>-TD     | 200<br>60<br>18000<br>32000 | %<br>kg/cm²   | ASTM D 882<br>ASTM D 882   |
| THERMAL    | Linear Shrinkage<br>(max)                    | -                            | 4 2                         | %   | ASTM D 1204  |
|            | Heat Seal Range<br>Heat Seal Strength        | -                            | 115-145<br>450              | °C<br>g/25mm  | Internal Method<br>Internal Method<br>(130°C/1sec/30psi)                 |
| BARRIER    | WVTR (38°C,90% rh)                           | -                            | 4                           | g/m²/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 within three months of receipt. OPP films should be allowed to reach operating room temperature 24 hours before use

#### **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