

PROVISIONAL

## TSTTI-HCB

TRANSPARENT HEAT SEALABLE BOTH SIDE CORONA TREATED HOLOGRAPHY COATING BASE BOPP FILM FOR CONVERSION



Heat sealable Corona Treated surface  
Tie Layer  
OPP Modified Core Layer  
Tie Layer  
Heat sealable Corona Treated surface



AVAILABLE  
CALIPERS

### DESCRIPTION

TSTTI-HCB is transparent heat Sealable high gloss both side treated BOPP film. Moreover it's inside high corona treated surface is specifically designed for Holography based coating & other side treated surface is for good lamination bonding after conversion..

### PRODUCT FEATURES

- Suitable for Holographic Coating base
- Excellent mechanical properties
- Better Optical properties
- Good Wetting Tension

### APPLICATIONS

- Base film for Holography coating

### NOMENCLATURE

TSTTI-HCB - High treatment Holography based coating side is Inside, Outside low treatment  
TSTTO-HCB - High treatment Holography based coating side is Outside, Inside low treatment

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|            | PROPERTIES                  | POSITION   | TS18TTI-HCB    | TS20TTI-HCB | UNITS              | TEST METHOD     |
|------------|-----------------------------|------------|----------------|-------------|--------------------|-----------------|
| GENERAL    | Nominal Thickness           | -          | 18             | 20          | μ                  | Internal Method |
|            | Density                     | -          | 0.91           | 0.91        | g/cc               | Internal Method |
|            | GSM                         | -          | 16.38          | 18.2        | g/m <sup>2</sup>   | Internal Method |
|            | Yield                       | -          | 61.1           | 54.9        | m <sup>2</sup> /kg | Internal Method |
| OPTICAL    | Haze                        | -          | 3.0            |             | %                  | ASTM D 1003     |
|            | Gloss                       | -          | 90             |             | GU                 | ASTM D 2457     |
| SURFACE    | Dynamic COF                 | Film/Film  | 0.40           |             | -                  | Internal Method |
|            | Wetting Tension             | Both side  | 38*            |             | dynes/cm           | ASTM D 2578     |
| MECHANICAL | Tensile Strength (at break) | -MD<br>-TD | 1600<br>2700   |             | kg/cm <sup>2</sup> | ASTM D 882      |
|            | Elongation (at break)       | -MD<br>-TD | 180<br>60      |             | %                  | ASTM D 882      |
|            | Elastic Modulus             | -MD<br>-TD | 22000<br>40000 |             | kg/cm <sup>2</sup> | ASTM D 882      |
|            | Linear Shrinkage            | -MD<br>-TD | 3<br>1         |             | %                  | ASTM D 1204     |
| THERMAL    | Seal Initiation Temp.       | -          | NA             |             | -                  | Internal Method |
|            | Heat Seal Strength          | -          | NA             |             | -                  | Internal Method |

\* 38 dyne/cm guaranteed for 4 months from the invoice date in controlled ambient condition as per below storage guidelines.

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 except for wetting tension