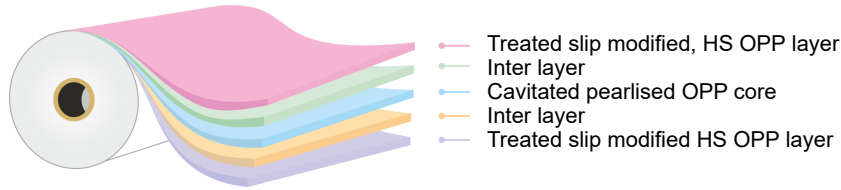


# Printing & Laminating Film Pearlescent, Heat Sealable

## HST-2(PL)

### Structure



### Description

It is a co-extruded, pearlescent, both side treated and heat sealable Bi-axially Oriented Polypropylene film.

### Features

- Pearlescent look
- Excellent machinability
- Low density and high yield
- Improved barrier to normal and UV Light

### Applications

- General purpose printing and lamination
- Wrap around label

### Typical values

| Properties                        | Ref. | Units                      | ASTM# Test Method     | HST-2(PL)   |
|-----------------------------------|------|----------------------------|-----------------------|-------------|
| <b>Physical Data</b>              |      |                            |                       |             |
| Average Thickness                 |      | Micron                     | D-374-C               | 25          |
|                                   |      | Gauge                      |                       | 100         |
|                                   |      | Mils                       |                       | 1.0         |
| Thickness Variation               |      | %(±)                       |                       | 5           |
| Density                           |      | g/cc                       |                       | 0.7         |
| Average substance                 |      | g/m <sup>2</sup>           |                       | 17.5        |
| Surface Tension(min)              |      | dynes/cm                   | D-2578                | 38          |
| Kinetic COF                       | F-F  |                            | D-1894                | 0.30 - 0.40 |
| Yield                             |      | m <sup>2</sup> /Kg         | D-4321                | 57.1        |
|                                   |      | in <sup>2</sup> /lb        |                       | 40145       |
| <b>Optical Data</b>               |      |                            |                       |             |
| Gloss (45°)                       |      | Gardner                    | D-2457                | 45-60       |
| Opacity                           |      | %                          | Hunter Lab<br>D25-2CR | 70-75       |
| Whiteness Index                   |      | %                          | E-313                 | > 83        |
| <b>Mechanical Data</b>            |      |                            |                       |             |
| Tensile Strength                  | MD   | kg/cm <sup>2</sup>         | D-882                 | 500-700     |
|                                   | TD   |                            |                       | 1100-1500   |
| Elongation                        | MD   | %                          | D-882                 | 115-150     |
|                                   | TD   |                            |                       | 25-40       |
| <b>Thermal Data</b>               |      |                            |                       |             |
| Seal Initiation Temperature       |      | °C / °F                    | CTM                   | 115/239     |
| Shrinkage<br>(120°C/248 °F,5 min) | MD   | %                          | D-1204                | 3.0 - 4.5   |
|                                   | TD   |                            |                       | 1.0 - 3.0   |
| <b>Barrier Data</b>               |      |                            |                       |             |
| MVTR (38°C, 90% RH)               |      | g/m <sup>2</sup> /day      | F-1249                | <6.0        |
| MVTR (100 °F,90%RH)               |      | g/100 in <sup>2</sup> /day | F-1249                | <0.38       |

CTM : Cosmo Test Method      MD : Machine Direction      TD : Transverse Direction      F : Film

**Disclaimer :** The information provided above is based on COSMO FILMS LTD's conclusive tests, which are indicative only and provided as guidelines. They do not constitute a guarantee of any specific product attributes or the suitability of products for specific applications

**Storage condition :** Storage temperature to be maintained 25 Deg.C (+/-5 Deg C) & relative humidity 55% (+/-5%) to avoid accelerated reduction of surface treatment level.

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