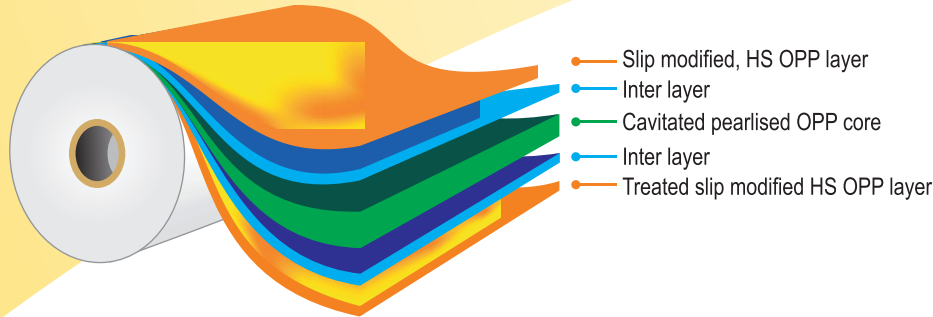


Printing pouching (Pearlised film)

HST-1 (PL) T 095

Structure



Description

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

Features

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

Applications

- General purpose printing and pouching
- Ideal for snack food and confectionery packaging

Typical Values

| Properties | Ref. | Units | Astm # / Test Method | HST-1 (PL) T 095 | | | | | |
|----------------------------|---------|-----------------------|----------------------|------------------|--------|--------|---------|--------|--------|
| Physical Data | | | | | | | | | |
| Average Thickness | | micron | D-374-C | 25 | 28 | 30 | 35 | 38 | 40 |
| | | gauge | | 98.43 | 110.23 | 118.11 | 137.80 | 149.60 | 157.48 |
| | | mils | | 0.98 | 1.10 | 1.18 | 1.38 | 1.49 | 1.57 |
| Thickness Variation | | % (±) | | 5 | | | | | |
| Density | | g/cc | | 0.70 | | | | | |
| Average Substance | | g/m ² | | 17.5 | 19.6 | 21.0 | 24.0 | 26.6 | 27.5 |
| Wettability (min.) | | dynes/cm | D-2578 | 38 | | | | | |
| Kinetic COF | UT - UT | | D-1894 | 0.25 – 0.35 | | | | | |
| Yield | | m ² /kg | D-4321 | 57.14 | 51.02 | 47.61 | 41.66 | 37.59 | 36.36 |
| Optical Data | | | | | | | | | |
| Gloss (45 °) | | gardner | D-2457 | 45 – 55 | | | | | |
| Opacity | | % | Hunter Lab(D25-2CR) | 70 – 75 | | | 75 – 80 | | |
| Whiteness Index | | % | E-313 | 83 – 88 | | | 87 – 92 | | |
| Mechanical Data | | | | | | | | | |
| Tensile Strength | MD | kg/ cm ² | D-882 | 500 – 800 | | | | | |
| | TD | | | 1000 – 1400 | | | | | |
| Elongation | MD | %·8 | D 82 | 115 – 155 | | | | | |
| | TD | | | 25 – 50 | | | | | |
| Thermal Data | | | | | | | | | |
| Shrinkage (120 °C, 5 min.) | MD | % | D-1204 | 2 – 4 | | | | | |
| | TD | | | 1 – 3 | | | | | |
| Seal Initiation Temp. | | °C | CTM | 95 | | | | | |
| Heat Seal Strength (min.) | | g/25 mm | CTM | 350 | 350 | 350 | 375 | 375 | 375 |
| Barrier Data | | | | | | | | | |
| MVTR (38 °C, 90%RH) | | g/m ² /day | F-1249 | 6.0 | 5.5 | 5 | 4 | 3.8 | 3.5 |

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction
 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.

Cosmo Films Limited

B-14/8-9, MIDC, Waluj, Aurangabad 431136 (MS) India. T : +91 240 2554611-14 E : info.abad@cosmofilms.com
 Corp. Office : 1008, DLF Tower - A, Jasola District Center, New Delhi 110 025 India. T : +91 11 4949 4949 / 34 E : info.del@cosmofilms.com