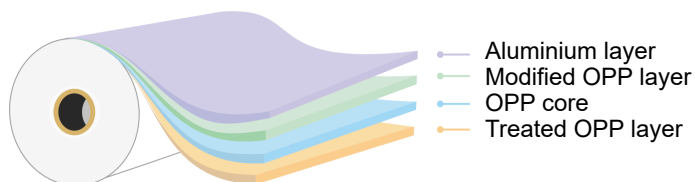


Barrier Film, Metallised With Exceptional Barrier, For Sandwich Lamination

HST-2(UHB) MO

Structure



Description

It is a clear metallised Bi-axially Oriented Polypropylene film with exceptional oxygen & moisture barrier characteristics. It can be treated as highly attractive alternate for Aluminum foil for the construction of high barrier laminating structures.

Features

- Exceptional oxygen, moisture and light barrier
- Outstanding aroma and flavor barrier
- Very good puncture resistance
- Grease resistance
- Suitable for both extrusion/adhesive lamination
- Suitable for Cold seal adhesive receptive on non metal side

Applications

- Sensitive dry foods like baby powder, cereals, dry mixes, dehydrated food and coffee
- Sensitive biscuits, cookies and crackers
- Confectionery, snacks and chips
- Health and beauty care, Pet food

Typical values

| Properties | Ref. | Units | ASTM#/ Test Method | HST-2(UHB) MO | |
|-----------------------------------|-------|-----------------------------|--------------------|---------------|-------|
| Physical Data | | | | | |
| Average Thickness | | Micron | D-374-C | 15 | 18 |
| | | Gauge | | 60 | 72 |
| | | Mils | | 0.6 | 0.7 |
| Thickness Variation | | %(±) | | 3 | |
| Density | | g/cc | | 0.93 | |
| Average substance | | g/m ² | | 13.95 | 16.74 |
| Kinetic COF | NM-NM | | D-1894 | 0.25 - 0.45 | |
| Yield | | m ² /Kg | D-4321 | 71.6 | 59.7 |
| | | in ² /lb | | 50396 | 41973 |
| Optical Data | | | | | |
| Optical Density | | | CTM | 2.4 - 2.6 | |
| Mechanical Data | | | | | |
| Tensile Strength | MD | kg/cm ² | D-882 | 1100 - 1400 | |
| | TD | | | 2600 - 3000 | |
| Elongation | MD | % | D-882 | 160 - 220 | |
| | TD | | | 40 - 80 | |
| Thermal Data | | | | | |
| Shrinkage (120°C/248 °F,5 min) | MD | % | D-1204 | 3.0 - 5.0 | |
| | TD | | | 0.5 - 2.5 | |
| Barrier Data | | | | | |
| MVTR (38°C, 90% RH) | | g/m ² /day | F-1249 | < 0.1 | |
| MVTR (100 °F,90%RH) | | g/100 in ² /day | F-1249 | <0.006 | |
| OTR (23°C, 0% RH) | | cc/m ² /day | D-3985 | < 0.1 | |
| OTR (73°F, 0% RH) | | cc/100 in ² /day | D-3985 | <0.006 | |

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction NM: Non-Metalized
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.
Note : Treatment values in metalized films tend to decay over a period of time during transportation & subjected to storage conditions, hence it is recommended to check the treatment prior to processing & if reduction is observed then go for online treatment, high adhesive GSM & a suitable primer may be applied.

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