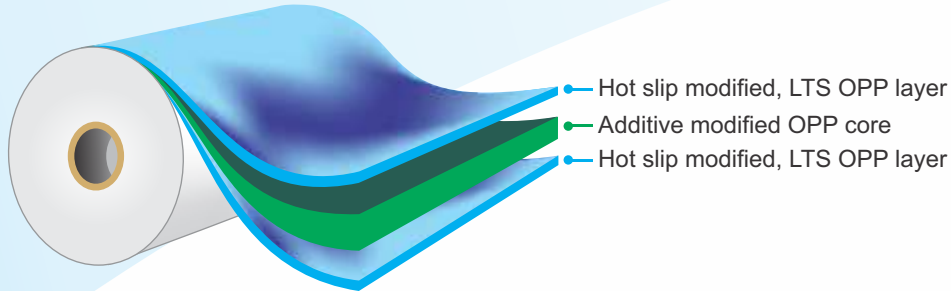


Cigarette & General Overwrap Film

HST-0 (HS)

Structure



Description

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

Features

- Excellent machinability
- Good heat seal strength and hot tack
- Excellent moisture barrier
- Low heat sealability

Applications

- High speed cigarette over-wrap
- Blade over-wrap, IV-Fluid over-wrap and carton over-wrap

Typical Values

| Properties | Ref. | Units | Astm # / Test Method | HST-0 (HS) | | | | |
|----------------------------|-------|------------------------------|----------------------|-------------|-------|-------|-------|--------|
| Physical Data | | | | | | | | |
| Average Thickness | | micron | | 18 | 20 | 22 | 25 | 30 |
| | | gauge | | 70.87 | 78.74 | 86.61 | 98.43 | 118.11 |
| | | mils | | 0.71 | 0.79 | 0.87 | 0.98 | 1.18 |
| Thickness Variation | | % (±) | | 3 | | | | |
| Density | | g/cc | | 0.905 | | | | |
| Average Substance | | g/m ² | | 16.29 | 18.10 | 19.91 | 22.63 | 27.15 |
| Kinetic COF | (F/F) | | D-1894 | 0.15 - 0.30 | | | | |
| Yield | | m ² /kg | D-4321 | 61.39 | 55.25 | 50.23 | 44.20 | 36.83 |
| Optical Data | | | | | | | | |
| Gloss (45 °) | | gardner | D-2457 | > 85 | | | | |
| Haze | | % | D-1003 | 2.0 - 4.0 | | | | |
| Mechanical Data | | | | | | | | |
| Tensile Strength | MD | kg/ cm ² | D-882 | 1200 - 1500 | | | | |
| | TD | kg/ cm ² | | 2400 - 2800 | | | | |
| Elongation | MD | % | D-882 | 130 - 180 | | | | |
| | TD | % | | 30 - 80 | | | | |
| Thermal Data | | | | | | | | |
| Shrinkage (120 °C, 5 min.) | MD | % | D-1204 | 3 - 5 | | | | |
| | TD | | | 1 - 3 | | | | |
| Seal Initiation Temp. | | °C | CTM | 110 | | | | |
| Heat Seal Temp. (min.) | | g/25 mm | CTM | 400 | 425 | 450 | 475 | 500 |
| Barrier Data | | | | | | | | |
| MVTR (38 °C, 90%RH) | | (g/m ² /day) +10% | CTM | 8 | 7 | 6 | 5.5 | 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