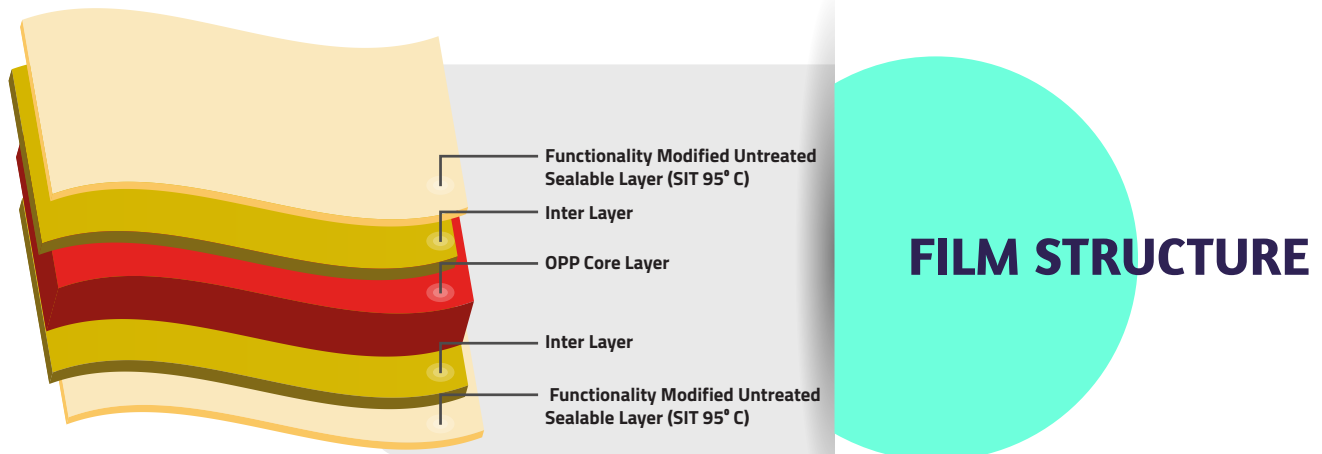


B-TCT

Tight Cigarette Over Wrap Heat Sealable BOPP Film

B-TCT is a coextruded heat sealable film having excellent combinations of stiffness, high shrinkage, optics, low SIT, good hot slip with enhance seal functionality for high speed & tight pack cigarette carton over wrap.



THE BIG DIFFERENTIATORS



Excellent Optics
Imparting richness & quality image to the brands.



High Shrikage
Tight overwrap with seal neatness.



Enhanced Seal functionality
Very Low SIT , excellent hot tack designed to substantially improve productivity & operating efficiency at cigarette carton o/w m/c .



Excellent Stiffness
Better performance on high speed with minimum wastage.



Good Antistatic & Hot Slip
Good runnability at high speed cigarette o/w m/c.

KEY FEATURES:

- Excellent machinability
- Good gloss & clarity
- High shrinkage
- Low SIT
- Good seal finish
- Controlled slip & antistatic

APPLICATIONS:

- Cigarette carton box over wrap
- Blade carton box over wrap

| PROPERTIES | | TEST METHOD (ASTM) | UNIT | TYPICAL VALUES | | |
|--|---------|--------------------|-------------------------------|----------------|-------|-------|
| THICKNESS | | Internal | Micron | 18 | 20 | 22 |
| | | | (Gauge) | 72 | 80 | 88 |
| FILM DENSITY | | D-1505 | gm/cc | 0.91 | | |
| GRAMMAGE | | Internal | gm/m ² | 16.4 | 18.2 | 20.0 |
| YIELD | | Internal | m ² /kg | 61.1 | 54.9 | 50.0 |
| | | | in ² /lb | 42953 | 38594 | 35150 |
| COEFF OF FRICTION (UTR/UTR) | Dynamic | D-1894 | - | 0.26±0.05 | | |
| HAZE | | D-1003 | % | 1.5 | 1.5 | 1.5 |
| GLOSS (at 45°) | | D-2457 | Unit | 98 | 98 | 98 |
| TENSILE STRENGTH AT BREAK | MD* | D-882 | kg/cm ² | 1400 | | |
| | TD* | | | 2800 | | |
| | MD* | | (KPsi) | 19.9 | | |
| | TD* | | | 39.8 | | |
| ELONGATION AT BREAK | MD* | D-882 | % | 180 | | |
| | TD* | | | 50 | | |
| LINEAR SHRINKAGE (max) (5 Minutes at 130°C) | MD* | D-1204 | % | 6.0 | | |
| | TD* | | | 8.0 | | |
| HEAT SEAL INITIATION TEMPERATURE | | Internal | °C | 95 | | |
| HEAT SEAL STRENGTH | (Min.) | Internal | gm/25mm | 375 | 400 | 425 |
| WATER VAPOUR TRANSMISSION RATE (38°C & 90% RH) | | F-1249 | gm/m ² /day | 6.8 | 6.5 | 6.4 |
| | | | (gm/100 in ² /day) | 0.44 | 0.42 | 0.41 |
| OXYGEN TRANSMISSION RATE (23°C & 0% RH) | | D-3985 | cc/m ² /day | 1800 | 1800 | 1800 |
| | | | (cc/100 in ² /day) | 116 | 116 | 116 |

Ref no QAD UFLI S/14 – B 13/3

*MD = MACHINE DIRECTION *TD = TRANSVERSE DIRECTION

STORAGE & HANDLING

FLEXOPP™ does not require special storage conditions. It is recommended to storage below 30°C in order to avoid any deterioration of the film surface properties. It is advisable to use the material on FIFO basis. The film should be kept at operating environment for 24 hours before processing. FLEXOPP™ is best suitable for use within 6 months from date of dispatch.

FOOD CONTACT

FLEXOPP™ complies with EC and FDA regulations. Specific document and MSDS are available on request.

DISCLAIMER

It is the responsibility of our customers to determine that their use of our products is safe, lawful, and technically suitable in their intended applications. The technical data sheets are provided for discussion purposes only. The customer may not rely on the data provided for any manufacturing purpose. The values provided in the technical data sheet represent typical values based on the best of our knowledge as of the date when the data was compiled. The data is offered solely to provide possible suggestions for your own experimentation and not as a guarantee for the material supplied. The user is solely responsible for the end use of the product and needs to perform their own tests to confirm the product suitability/compatibility in all respects. Flex provides no warranty and accepts no liability for any loss or fitness of the product for any specific purpose based on the information contained in the technical data sheets. Flex reserves the right to change the technical data sheet at any time without prior notice.

**TDS issued on 01-04-2020. All previous version of this grade are invalid.

FlexFilms

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