

CPP Film

CPP SealFilm



Corona treated outside, ultra-low SIT

Description

Coextruded film made of an optimum blend of polypropylene resins that delivers ultra-low heat seal initiation temperature and exceptional hottack range in the untreated face with an optimal balance of transparency, rigidity, slip and tear resistance. Its formulation presents a good moisture barrier. The corona treated side is located on the outside face of the reel.

Main Characteristics

- Ultra low SIT.
- Excellent hot-tack.
- High gloss and transparency.
- High slip level.
- Excellent flatness and dimensional stability.
- Outside face corona treated suitable for good bonds to inks and adhesives.

Applications

Designed to be employed in many applications which require good temperature resistance, and very high speed packaging and sealing over powder contaminants. It meets FDA regulations for direct food contact. It is recommended to retreat this film before lamination to improve its bond strength.

* Important Considerations

*It is recommended to store this material at conditions not exceeding 30°C, under shade and with a relative humidity of 60%. To protect against humidity and avoid film blocking, rolls should stay covered with the plastic overwrap when not in use.*The information in this data sheet is based on tests carried out in our laboratories and it is intended to be used for reference only, and does not constitute a specification; therefore, should not be construed as a guarantee of performance. It is the responsibility of the user to carry out the necessary tests to guarantee its use for the intended applications.

*This product complies with FDA and EU regulations. For more detailed information about our technical and regulatory documents, please visit our website: <https://www.obengroup.com/en/documents>

Standard Dimensions *

*This product has lot size and width restrictions. Please consult your sales representative.

| Film Code | Thickness (mils) | Yield (in ² /lb) | Width (in) | Core Size | 30" Φ Outside Diam. | | Treatment |
|-----------|------------------|-----------------------------|------------|-----------|--------------------------|----------------|-----------|
| | | | | | Length (ft) | Weight (lb/in) | |
| CAH 15 | 0.59 | 51,900 | 15 to 80 | 3" & 6" | 90,900 | 21.05 | Outside |
| CAH 17 | 0.69 | 44,500 | | | 78,100 | | |
| CAH 20 | 0.79 | 38,900 | | | 68,300 | | |
| CAH 25 | 0.98 | 31,100 | | | 54,800 | | |
| CAH 30 | 1.18 | 26,000 | | | 45,700 | | |
| CAH 35 | 1.38 | 22,300 | | | 39,100 | | |
| CAH 40 | 1.57 | 19,500 | | | 34,200 | | |
| CAH 50 | 1.97 | 15,600 | | | 27,600 | | |
| CAH 60 | 2.36 | 13,000 | | | 23,000 | | |

Typical Values of Physical Properties **

**Information and data presented in this data sheet is intended to be used as general guidelines. Physical properties specifications are available upon request.

| Property | Unit | Testing Method | Thickness in Mils | | | | | | | | | |
|---|------|----------------|-------------------|------|------|-------|------|------|-------|------|------|-------|
| | | | 0.59 | 0.69 | 0.79 | 0.98 | 1.18 | 1.38 | 1.57 | 1.97 | 2.36 | |
| Haze | - | ASTM D1003 | 2.5 | | | 3.5 | | | 4.5 | | | |
| Gloss 45° | - | ASTM D2457 | 80 | | | | | | | | | |
| Coefficient of Friction - Kinetic | N/N | ASTM D1894 | 0.15 | | | | | | | | | |
| Secant Modulus 2% | DM | ASTM D882 | 87,100 | | | | | | | | | |
| | DT | | 79,800 | | | | | | | | | |
| Impact Resistance | - | ASTM D3420 | 100 | | | | | | | | | |
| Tear Resistance | DM | ASTM D1922 | 0 | | | | | | | | | |
| | DT | | 100 | | | | | | | | | |
| Surface Tension | - | ASTM D2578 | 37 | | | | | | | | | |
| Heat Seal Initiation Temperature | - | ASTM F2029 | 176 | | | | | | | | | |
| Seal Strength (284°F, 40 psi, 1s) | N/N | ASTM F88 | 1,500 | | | 1,800 | | | 2,100 | | | 2,700 |
| Water Vapor Transmission Rate (100.4 °F, 90 % R.H.) | - | ASTM F1249 | 0.97 | 0.9 | 0.84 | 0.77 | 0.71 | 0.65 | 0.58 | 0.52 | | |
| Oxygen Transmission Rate (73.4 °F, 0 % R.H.) | - | ASTM D3985 | 245 | 242 | 239 | 235 | 232 | 229 | 226 | 223 | 213 | |

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