



| PRODUCT DESCRIPTION | PROPERTIES | | UNIT | TEST METHOD | CB50NB-IMLSWV | CB60NB-IMLSWV | CB70NB-IMLSWV |
|---|---|----|-------------|-----------------|---------------|---------------|---------------|
| IML-SWV is a solid white, injection- in mould label film , both sides corona treated. Treated glossy surface specialty design for UV printing. | Nominal Thickness (± 5%) | | Micron | Chiripal Method | 50 | 60 | 70 |
| | | | Gauge | | 200 | 240 | 280 |
| | Unit Weight (± 5%) | | gm/m² | | 47.5 | 57.0 | 66.5 |
| | Yield | | m2/kg | | 21.1 | 17.5 | 15.0 |
| | MECHANICAL PROPERTIES | | | | | | |
| | Tensile Strength | MD | kg/cm² | ASTM D-882 | 900 - 1300 | | |
| | | TD | | | 2000 - 2800 | | |
| | Elongation Break | MD | % | ASTM D-882 | 170 - 290 | | |
| | | TD | | | 40 - 90 | | |
| | THERMAL PROPERTIES | | | | | | |
| Thermal Shrinkage (at 120°C / 5 mins) | MD | % | ASTM D-1204 | <4.0 | | | |
| | TD | | | <2.0 | | | |
| PRODUCT FEATURES | SURFACE PROPERTIES | | | | | | |
| *Superior UV ink adhesion | Coefficient of Friction (NP/NP) | Dy | - | ASTM D-1894 | 0.25- 0.35 | | |
| *High Opacity | | | | | | | |
| *Good antistatic property. | Surface Tension | | Dyne/cm | ASTM D-2578 | 38 | | |
| *Glossy effect after injection moulding. | OPTICAL PROPERTIES | | | | | | |
| | Transmittance | | % | ASTM D-1003 | 18 - 28 | | |
| | Gloss at 45° (Printable Surface) | | - | ASTM D-2457 | 50 - 60 | | |
| | Note: MD – Machine Direction, TD – Transverse Direction, NT - Non Treated | | | | | | |
| APPLICATIONS | FOOD CONTACT | | | | | | |
| * Injection - In Mould Label | Chiripal Poly Films complies with EC and FDA regulations. Specific documents and MSDS are available upon request | | | | | | |
| * Printing- Gravure, UV-flexo printing, Off set sheet fed printing with UV curing and oxidative drying inks | STORE & HANDLING | | | | | | |
| | A storage temperature below 30°C & humidity 55±5 % is recommended in order to avoid any deterioration of the film surface properties. Excess humidity and heat can cause problem such as fast treatment decay, which can affect the quality of printing and coating. It is recommended to use the material within six months from the date of production. | | | | | | |
| *Indication of surface treatment:- | DISCLAIMER | | | | | | |
| IML-SWV is supplied with treatment on outside surface for printing and treatment on the inside surface for injection moulding. | The property given in the technical data sheet do not constitute product specification but represent typical performance values based on the best of our knowledge and believed to be accurate. These are given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. 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. Chiripal Polyfilm does not guarantee the typical values. Chiripal Poly reserves the right to change the technical data sheet at any time for enhancing the quality of the products without prior information. | | | | | | |