

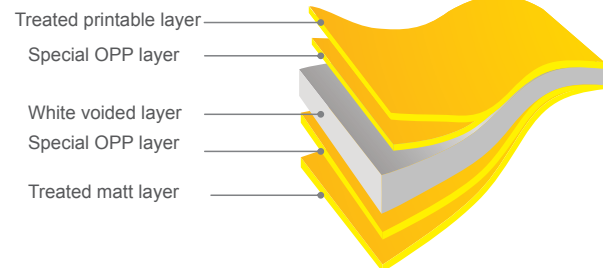
## POLABLE 142 LIV

Both sides treated, one side matt  
and one side printable

## Pearlized BOPP film

- Features:
- Excellent opacity, gloss and stiffness
  - Less orange peel effect after injection molding
  - Improved slip and anti-static characteristics for sheeting and die cutting
  - High adhesion skin layer provides excellent adhesion with solvent based, conventional offset inks

Application: High stiff BOPP film for in- mold labeling, suitable for sheet -fed and roll-fed printing, It can be used instead of CPP IML films for rather big containers. Yet suitability of film for container size must be checked at first. This film can be used for other kinds of applications such as self adhesive labels (SAL) , cut & stack.



| Specification       | Test Method | Unit               | Test direction | 60 $\mu$  | 70 $\mu$ |
|---------------------|-------------|--------------------|----------------|-----------|----------|
| Wetting Tension     | ASTM D 2578 | Dyne/cm            | N              | $\geq 38$ |          |
|                     |             |                    | T              | $\geq 38$ |          |
| Tensile Strength    | ASTM D 882  | N/mm <sup>2</sup>  | MD             | 80        |          |
|                     |             |                    | TD             | 185       |          |
| Elongation at break | ASTM D 882  | %                  | MD             | 150       |          |
|                     |             |                    | TD             | 40        |          |
| Thermal Shrinkage * | ASTM D 1204 | %                  | MD             | $\leq 4$  |          |
|                     |             |                    | TD             | $\leq 2$  |          |
| Gloss               | ASTM D 2457 | %                  | T              | 100       |          |
| Opacity             | DIN 53146   | %                  | -              | 80        | 85       |
| Yield               | ASTM D 4321 | m <sup>2</sup> /kg | -              | 21.9      | 18.8     |
| Unit weight         | ASTM D 4321 | gr/m <sup>2</sup>  | -              | 45.7      | 53.2     |
| Density             | ASTM D 1505 | gr/m <sup>3</sup>  | -              | 0.76      |          |
| Dynamic C.O.F       | ASTM D 1894 | -                  | N-N            | 0.4       |          |
|                     |             |                    | film - metal   | 0.3       |          |

T: Film roll out- side, N: Film roll in- side, MD: Machine direction, TD: Transverse direction  
\*(120 °C, 5 min)

Available thicknesses: All thicknesses between 60 - 70  $\mu$ m can be produced upon request.

One side treated film (Polable 141 LIV) can be produced upon request.

This film complies with the EU and FDA regulations. Specific documents are available upon request.

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Polfilm strongly suggests that before any vast usage, make sure to study "Customer's Guide " and test our product in limited amounts.