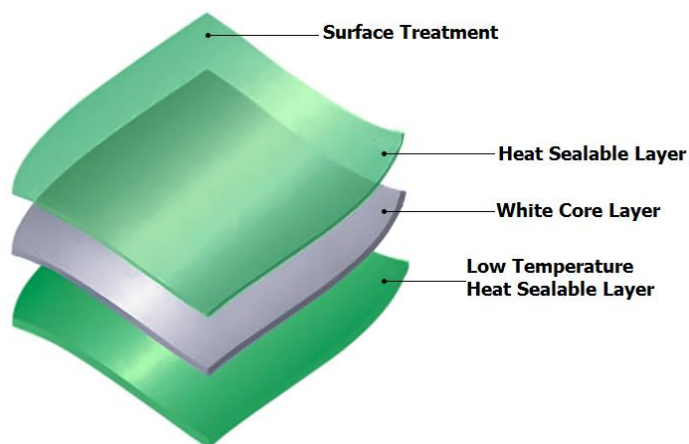


PLCWLS is coextruded white cast PP film, both sides heat sealable, one side corona treated. Non treated side with low sealing properties. The film is suitable for packing of food products and goods with general use.



TYPICAL APPLICATIONS

Bread and bakery packaging
Lamination or single ply
High quality rotogravure and flexo printing

| Properties | Test Methods | Deviation | Typical Values | | |
|---|-----------------|-----------|----------------|-------------|------|
| Thickness μm | Internal method | | 30 | 40 | 50 |
| Average thickness deviation % | | \pm | 1.5 | 1.5 | 1.5 |
| Density, g/cm^3 | | | 0.94 | 0.94 | 0.94 |
| Unit weight, g/m^2 | Internal method | $\pm 5\%$ | 28.2 | 37.6 | 47 |
| Yield, m^2/kg | Internal method | $\pm 5\%$ | 35.5 | 26.6 | 21.3 |
| Gloss (45°) % | ASTM D 2457 | | | 50 | |
| Opacity, % | ASTM D 1003 | min | | 70 | |
| Coefficient of Friction* | ASTM D 1894 | | | 0.12 ÷ 0.25 | |
| Elongation at break, % | | | | | |
| MD | ASTM D 882 | ± 100 | | 600 | |
| TD | | | | 600 | |
| Sealing initial temperature** | Internal method | | | 90° C | |
| Seal strength, N/15 mm, 1 bar, 1 sec, 130°C | BMS TT 0.1 | | | 2.5 | |
| Tensile strength, MPa | | | | | |
| MD | ASTM D 882 | ± 15 | | 45 | |
| TD | | | | 20 | |
| Surface treatment, dynes/cm | ASTM D 2578a | - | | Min | |
| | | | | 36 | |

*- Dynamic COF film/film untreated side

**-SIT (sealing initiation temperature), untreated/untreated side

The specified values are based on average results, measured by the manufacturer during standard production. They should not be considered as Data Sheet of any particular product.

The end user should be satisfied as to the suitability of the product for the intended application and the present regulatory regime. Therefore, Plastchim-T AD disclaims any liability for damages arising from the non-suitability of the product for the effected application.

Ability for printing/ lamination is guaranteed for the period of 3 months from the manufacturing date indicated on the label attached to every roll.

Other parameters listed above are guaranteed for the period of 6 months from the manufacturing date.

FODD CONTACT

The CPP Film complies with all national and international standards and requirements for food contact. The Declaration of Compliance is accessible at www.plastchim-t.com

PACKING

| | Core Diameter | Outer Diameter * | Notes |
|-------------------|---------------|------------------|---|
| Vertical | 152 mm (6`) | ≤ 550 mm | ≤ 700 mm – two or more rows > 700 mm – one row |
| | 76 mm (3`) | | |
| Horizontal | 152 mm (6`) | ≤ 770 mm | |
| | 76 mm (3`) | | |

(*) In case of no other requirements

TOLERANCES

| Weight tolerance, depending on the order volume | Width tolerance | Length tolerance |
|---|-----------------|------------------|
| ≤ 1 000 kg ± 20% | ± 2 mm | ±5 % |
| 1001 ÷ 10 000 ± 10% | | |
| >10 000 ± 5% | | |

Storage and Transportation Terms & Conditions

Palletizing of goods is done according to customer's requirements.

The storage of all goods is in dry, covered and clean warehouses.

The transportation of the goods is carried out in dry, covered and clean means of transport.

The recommended temperature of storage/transportation is 10-30°C. If the temperature is not within the recommended limits, the following issues may occur:

- Decrease of dyne level
- Higher haze of the film
- Poor adhesion of the film surface that on a later stage could be an issue for laminating and printing
- Extremely low COF that can trouble further processing

Excessive humidity can be a reason for film blocking.

It is recommended that CPP film should be tempered at operating room temperature above 20°C for minimum 24 hours before use. In case of transporting and storing the films below 5°C seasoning time should be extended to a minimum of 48 hours.

Before printing or laminating of CPP films it is recommended the use of an inline treatment station in order to boost the treatment level of the printable surface or to be used adequate primer to achieve a perfect product.

Claims regarding to the transportation are accepted within 1 week after the delivery date. If any, a record has to be taken in the CMR.