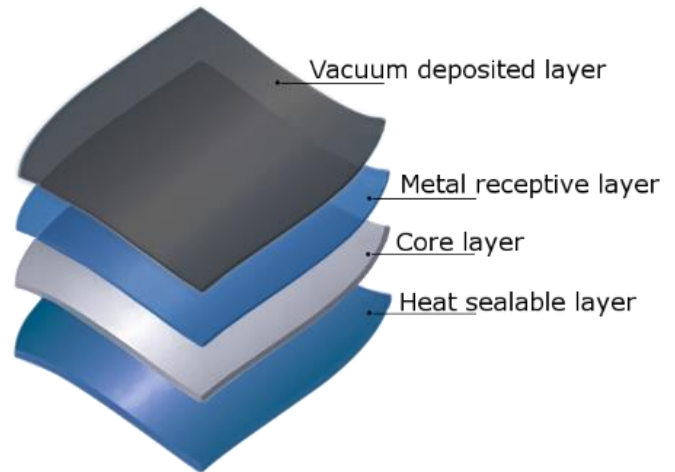




**PLCMLS** is coextruded metallized cast polypropylene film, heat sealable on the non metallized side, with very good barrier properties (water and oxygen permeability). Excellent metal adhesion. Designed with lower sealing temperature, SIT 105°C.



**TYPICAL APPLICATIONS**

- Barrier packaging
- Suitable for print and lamination
- Suitable for cold seal application

Properties	Test Methods	Deviation	Typical Values		
Thickness $\mu\text{m}$			20	25	30
Average thickness deviation, %		$\pm$	2.5	2.5	2.5
Density, $\text{g/cm}^3$			0,9		
Unit weight, $\text{g/m}^2$		$\pm 5\%$	18	22,5	27
Yield, $\text{m}^2/\text{kg}$		$\pm 5\%$	55,6	44,4	37
Optical Density, O.D.	ASTM D 1003	$\pm 0.2$	2	2	2
Coefficient of Friction*	ASTM D 1894	$\pm 0.1$	0.7		
Shrinkage, % (120°C, 5 min)	MD	BMS TT 0.2	2.0	2.0	2.0
	TD		2.0	2.0	2.0
Elongation at break, %	MD	ASTM D 882	650	650	650
	TD		$\pm 100$	650	650
Sealing range **, °C			105÷145	105÷145	105÷145
Tensile strength, MPa	ASTM D 882	$\pm 15$	50	50	50
			25	25	25
OTR ( $\text{cc/m}^2/\text{day}$ )	ASTM D 3985 23°C - $\pm 0\%$ RH		<80		
WVTR ( $\text{gr/m}^2/\text{day}$ )	ASTM F 1249 38°C - 100% RH		<1		

\* - Dynamic coefficient of friction non metallized / non metallized side

\*\* - the sealing range starts with SIT (sealing initiation temperature)

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 2 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.



**Converting recommendations**

Before printing or laminating the use of an inline corona station is recommended, with proper power, in order to boost the treatment of the metal surface. It is highly advisable to be used adequate primer when the metallized surface is to be printed. Metallized films should be laminated because the metal layer is not resistant to scratches.

**Food 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](http://www.plastchim-t.com)

**Indication of metallized surface:**

PLCMLS is usually supplied with metallized layer on the outside surface, in case of requirement for metallized layer inside, this must be agreed with our sales representative before order processing

**PACKING**

	Core Diameter	Outer Diameter *	Notes
<b>Vertical</b>	152 mm (6`)	≤ 550 mm	≤ 700 mm – two or more rows > 700 mm – one row
	76 mm (3`)		
<b>Horizontal</b>	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.

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.

**Last update: 30<sup>th</sup> June 2020**