



**PLCDF** is coextruded cast polypropylene film, both sides heat sealable, one side corona treated. PLCDF is designed for packing bread and bakery pouches, and store in freezer at up to -25 °C.

The film has very good optical properties and has excellent tear resistance on low temperatures

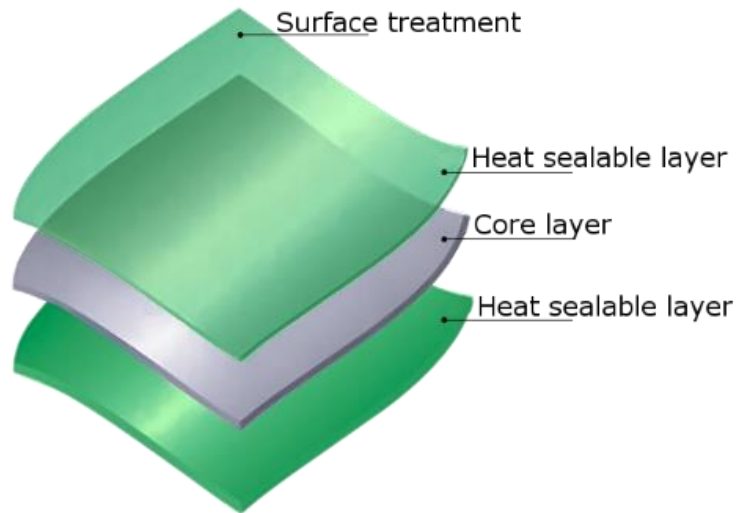
### TYPICAL APPLICATIONS

Deep freezing

Bread and bakery packaging

General packaging for cold climate

High quality rotogravure and flexo printing



Properties	Test Methods	Deviation	Typical Values						
Thickness, µm			20	25	26	30	35	40	50
Average thickness deviation, %		±	2.5	2.5	2.5	2.5	2	2	2
Density, g/cm <sup>3</sup>			0.9						
Unit weight, g/m <sup>2</sup>		±5%	18.0	22.5	23.4	27	31.5	36	45
Yield, m <sup>2</sup> /kg		±5%	55.6	44.4	42.7	37	31.8	27.8	22.2
Coefficient of Friction *	ASTM D1894		0.12÷0.25						
Elongation at break, %									
MD	ASTM D 882	±100	580	580	600	600	600	600	600
TD			630	630	650	650	650	650	650
Sealing range **, °C			130÷145	130÷145	130÷145	130÷145	130÷145	130÷145	130÷145
Tensile strength, MPa									
MD	ASTM D 882	±5	45	45	45	45	50	50	50
TD			30	30	30	30	25	25	20
Surface treatment, dynes/cm	ASTM D 2578a		Min 36	Min 36	Min 36	Min 36	Min 36	Min 36	Min 36
Dart Drop Impact***, g	ASTM D 1709	min	300			350			

\*-Dynamic COF, film-film, untreated side

\*\* - The sealing range starts with SIT (sealing initiation temperature), film-film, untreated side

\*\*\* - measured at -25°C

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.



### 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).

### 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.

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.