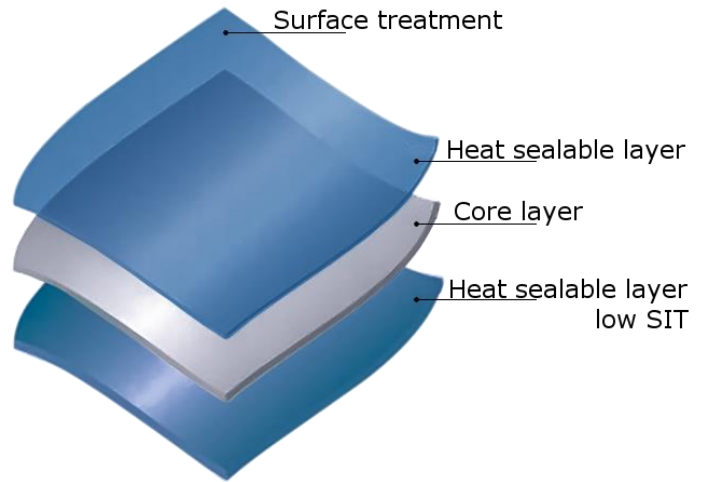




FXCLS is coextruded BOPP film, heat sealable. The film has very wide heat sealing range on the non-treated side for high speed packaging. One side corona treated.

TYPICAL APPLICATIONS

- General purpose packaging
- High speed packaging HFFS and VFFS
- High quality rotogravure and flexo printing



Properties	Test Methods	Deviation	Typical Values			
Thickness μm	Internal method		20	23	25	30
Average thickness deviation, %		\pm	2.5	2.5	2.5	2
Yield, m^2/kg		$\pm 5\%$	54.9	47.8	44	36.6
Unit weight, g/m^2		$\pm 5\%$	18.2	20.9	22.7	27.3
Gloss (45°)	ASTM D 2457	± 2	85	85	85	85
Haze, %	ASTM D 1003	± 0.2	2.0	2.1	2.2	2.4
Coefficient of Friction*	ASTM D 1894	± 0.05	0.27	0.27	0.27	0.27
Shrinkage, %	BMS TT 0.2					
MD (120°C, 5 min)			4.0	4.0	4.0	4.0
TD			2.0	2.0	2.0	2.0
Elongation at break, %						
MD	ASTM D 882	± 30	210	210	210	210
TD			80	80	80	80
Sealing range **, $^\circ\text{C}$			90÷145	90÷145	90÷145	90÷145
Seal strength, N/15 mm, 130°C, 1 bar 1 sec	BMS TT 0.1	± 0.5	2.8	2.8	2.8	2.9
Seal strength, N/15 mm, 95°C, 1 bar 1 sec	Internal test	± 0.5	2.5	2.5	2.5	2.7
Tensile strength, MPa						
MD	ASTM D 882	± 15	140	140	140	150
TD			240	240	240	250
OTR ($\text{cc}/\text{m}^2/\text{day}$)	ASTM D3985		1900	1750	1600	1300
WVTR ($\text{gr}/\text{m}^2/\text{day}$)	ASTM F1249		6.5	6.3	6	5
Surface treatment, dynes/cm	ASTM D 2578a		Min 38	Min 38	Min 38	Min 38

*-COF dynamic, film/film, untreated/untreated side

**-. The sealing range starts with 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.



FOOD CONTACT

The BOPP 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 BOPP film should be tempered at operating room temperature for 24 hours before use.

Before printing or laminating of BOPP 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.

Adherence to the above mentioned storage and transport conditions ensures that the film is suitable to be used up to 6 months after production.

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.