

Technical Data Sheet

Surface treatment

Core

Heat sealable

layers

Typical application:

- ✓ General purpose packaging, heat sealable, lamination,
- ✓ Low heat sealing temperature allows higher packaging speed
- High quality rotogravure and flexo printing

FXCLS

BOPP film, with very wide heat sealing range on non treated side, for food packaging.

Properties	Test Methods	Deviation	Typical Values							
Thickness, μm			18	20	25	28	30	35	38	40
Average thickness deviatio %	n,	± 0.5%	2	2	2	1.5	1.5	1.5	1.5	1.5
Yield, m ² /kg		± 5%	61.7	54,9	44.0	39.5	36,6	31,6	29.2	27.8
Unit weight, g/m ²		± 5%	16,3	18,2	22,7	25,4	27,3	31,8	34,5	36,4
Gloss (45 [°])	ASTM D 2457	± 2	83	83	83	83	83	83	83	83
Haze , %	ASTM D 1003	± 0.2	1,8	2.0	2.0	2.4	2,4	2,4	2,6	2.6
Coefficient of Friction	ASTM D 1894	± 0.05	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
Shrinkage,% M (120 ⁰ C,5 min.) T	D BMS D TT 0.2	±2	4,0 2,0	4,0 2,0	4,0 2,0	4,0 2,0	4,0 2,0	4,0 2,0	4,0 2,0	4,0 2,0
Elongation at break, % M T	D ASTM D D 882	± 30	210 80	210 80	210 80	210 80	210 80	210 80	210 80	210 80
Sealing range *		-	90÷ 145	90÷ 145	90÷ 145	90÷ 145	90÷ 145	90÷ 145	90÷ 145	90÷ 145
Seal strength, N/15 mm, 13 ° C, 1 bar 1 sec	BMS TT 0.1	± 0.5	2,6	2,6	2,6	2,8	2,8	2,8	2,8	2,8
OTR (cc/m²/day)	23°C - ±0% RH	± 10%		220			125			100
WVTR (gr/m²/day)	37,8°C - 90 % RH	± 10%		7			4			3
Tensile strength, MPa N T	D ASTM D D 882	± 15	130 230	140 240	140 240	140 240	140 240	150 250	150 250	150 250
Surface treatment, dynes/cm	ASTM D 2578a	-	Min. 38	Min. 38	Min. 38	Min. 38	Min. 38	Min. 38	Min. 38	Min. 38



* - this sealing range starts with SIT (sealing initiation temperature).

The specified values are based on average results, measured by the manufacturer during the standard production. They should not be considered as Data Sheet of any particular product. The user of our film should be satisfied as to the suitability of our product for the intended application and the present regulatory regime. Therefore we disclaim any liability for damages arising from the non-suitability of our product for the effected application.

Packing						
	Core diameter	Outer diameter *	Note			
Vertical	152 mm (6')	≤ 550 mm	\leq 700 mm – two or more rows			
	76 mm (3')		> 700 mm – one row			
Horizontal	152 mm (6')	≤ 770 mm				
	76 mm (3')					

In case of no other requirement

Tolerances					
Weight tolerance, depending on the order volume	Width tolerance				
\leq 1 000 kg \pm 20 %					
1001÷10 000 ± 10 %	\pm 2 mm				
> 10 000 ± 5 %					

Storage and transport terms and conditions:

Palletizing of goods is done according to customer requirements

The storage / transport are carried out in dry, covered and clean warehouses / means of transport.

The film should be stored away from heat sources, without direct sunlight or UV radiation.

The recommended temperature for storage / transport is 10 - 30°C. If the temperature is not in these limits you can observe problems as bellow:

- Decrease of dyne level
- Higher haze of the film
- Poor adhesion of the film surface that can be a problem for laminating and printing
- Extremely low COF, that can create problems for next processing

Excessive humidity can be a reason for film blocking.

It is recommended that BOPP film should be allowed to reach operating room temperature for 24 hours before use.

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

Claims connected with the transport can be accepted not more than 1 week after delivery date. They have to be recorded in the CMR as well.

If there are hidden defects, Plastchim-T AD can refund the converting cost for not more than 3 rolls from a certain order.

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