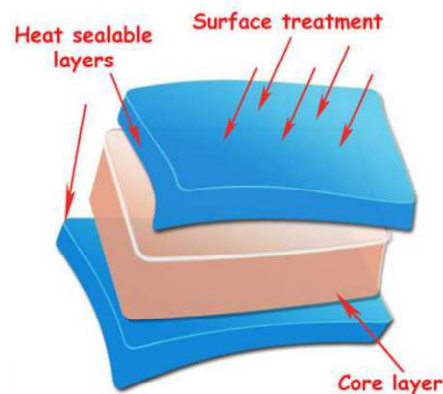


## Technical Data Sheet

### Typical application:

- ✓ General purpose packaging, heat sealable,
- ✓ Lamination
- ✓ High quality rotogravure and flexo printing



**FXCW** White film with high opacity. The white colour improves the quality of printing. Both sides heat sealable

Properties		Test Methods	Deviation	Typical Values						
Thickness, $\mu\text{m}$				20	25	30	35	38	40	
Average thickness deviation, %			$\pm 0.5\%$	2	2	2	2	2	2	
Yield, $\text{m}^2/\text{kg}$			$\pm 5\%$	53.2	42.6	35.5	30.4	28	26.6	
Unit weight, $\text{g}/\text{m}^2$			$\pm 5\%$	18.8	23.5	28.2	32.9	35.7	37.6	
Gloss ( $45^\circ$ )		ASTM D 2457	$\pm 2$	55	55	55	55	55	55	
Opacity, %		ASTM D 1003	$\pm 5$	80	80	85	90	90	90	
Coefficient of Friction		ASTM D 1894	$\pm 0.1$	0.3	0,3	0,3	0.3	0.3	0.3	
Elongation at break, %		ASTM D 882	$\pm 30$	MD	210	210	210	210	210	210
				TD	50	50	50	50	50	50
Shrinkage, % ( $120^\circ\text{C}$ , 5 min.)		BMS TT 0.2	$\pm 2$	MD	4.0	4.0	4,0	4,0	4,0	4,0
				TD	3.0	3.0	2,0	2,0	2,0	2,0
Sealing range *				105÷ 145	105÷ 145	105+ 145	105÷ 145	105÷ 145	105÷ 145	
Seal strength, N/15 mm, $130^\circ\text{C}$ , 1 bar 1 sec		BMS TT 0.2	$\pm 0.3$	2,6	2,8	2,8	2,8	2,8	2,8	
OTR ( $\text{cc}/\text{m}^2/\text{day}$ )		$23^\circ\text{C} - \pm 0\%$ RH	$\pm 10\%$	2200		1250			1000	
WVTR ( $\text{gr}/\text{m}^2/\text{day}$ )		$37,8^\circ\text{C} - 90\%$ RH	$\pm 10\%$	7		4			3	
Tensile strength, MPa		ASTM D 882	$\pm 20$	MD	130	130	130	130	130	130
				TD	250	250	250	250	250	250
Surface treatment, dynes/cm		ASTM D 2578a	-	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.

Food contact: The BOPP film complies with the national and international normative requirements for food contact. For declaration please visit [www.plastchim-t.com](http://www.plastchim-t.com)

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

- In case of no other requirement

Tolerances			
Weight tolerance, depending on the order volume		Width tolerance	
≤ 1 000 kg	± 20 %	± 2 mm	
1001÷10 000	± 10 %		
> 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.

It is advisable that the metalized films should be laminated because the metalized layer is not resistant to scratches. Before printing on metalized films, it is strongly recommended to apply a primer.

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.