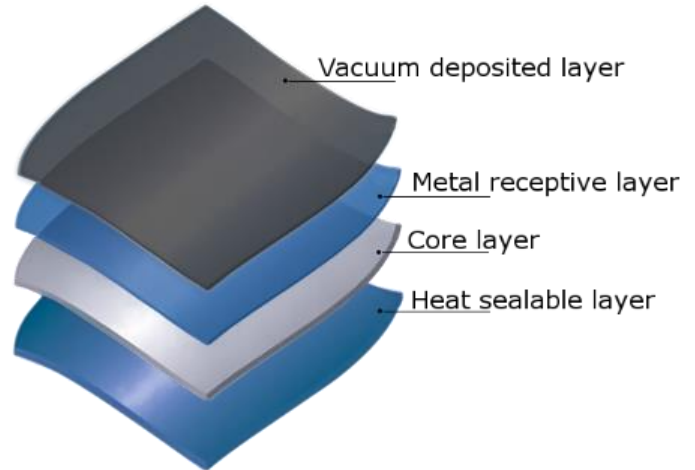




**FXCM** is coextruded metallized BOPP film, heat sealable on the non metallized side, with very good barrier properties (water and oxygen permeability).  
Excellent metal adhesion.



### TYPICAL APPLICATIONS

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

Low thickness films are recommended for HFFS and VFFS packaging machines as inner sealable layer in laminated structure

High thickness films could be used like one layer structure printed on metallized side

Properties		Test Methods	Deviation	Typical Values							
Thickness, $\mu\text{m}$		Internal method		15	17	18	20	25	30	35	40
Average thickness deviation, %			$\pm$	2.5	2.5	2.5	2.5	2.5	2	2	2
Yield, $\text{m}^2/\text{kg}$			$\pm 5\%$	73	64.6	61	54.9	44	36.6	31.4	27.4
Unit weight, $\text{g}/\text{m}^2$			$\pm 5\%$	13.7	15.7	16.4	18.2	22.7	27.3	31.8	36.4
Optical Density, O.D.			$\pm 0.2$	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Coefficient of Friction*		ASTM D 1894	$\pm 0.1$	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
Shrinkage, % (120°C, 5 min)	MD	BMS TT 0.2		5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
	TD			2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Elongation at break, %	MD	ASTM D 882	$\pm 30$	220	220	220	210	210	210	210	210
	TD			80	80	80	80	80	80	80	80
Sealing range **				105÷145	105÷145	105÷145	105÷145	105÷145	105÷145	105÷145	105÷145
Seal strength, N/15 mm, 130°C, 1 bar 1 sec		BMS TT 0.1	$\pm 0.5$	2.2	2.2	2.2	2.2	2.2	2.5	2.5	2.8
Tensile strength, MPa	MD	ASTM D 882	$\pm 30$	130	130	140	140	140	140	150	150
	TD			230	230	240	240	240	240	250	250
OTR ( $\text{cc}/\text{m}^2/\text{day}$ )		ASTM D 3985 23°C- $\pm 0\%$ RH					$\leq 80.0$				
WVTR ( $\text{gr}/\text{m}^2/\text{day}$ )		ASTM F 1249 38°C- 100% RH					$\leq 0.45$				

\*-Dynamic CoF, film/film, non metallized/non metallized side

\*\* - the sealing range starts with SIT (sealing initiation temperature), non metallized/non metallized 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.



### CONVERTING RECOMMENDATIONS

Before printing or laminating is recommended to refresh the treatment of the metal surface. It is not recommended to use corona treatment. 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 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](http://www.plastchim-t.com).

### INDICATION OF METALLIZED SURFACE

FXCM 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

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.

As the metallized surface of such films is sensitive to storage conditions Plastchim-T AD does provide 15 days guarantee (considered from the date of metallization) on films with surface treatment of 36 dyn/cm. With regard to the other parameters, in compliance with the above-mentioned storage and transport conditions, the film is suitable for use 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.