

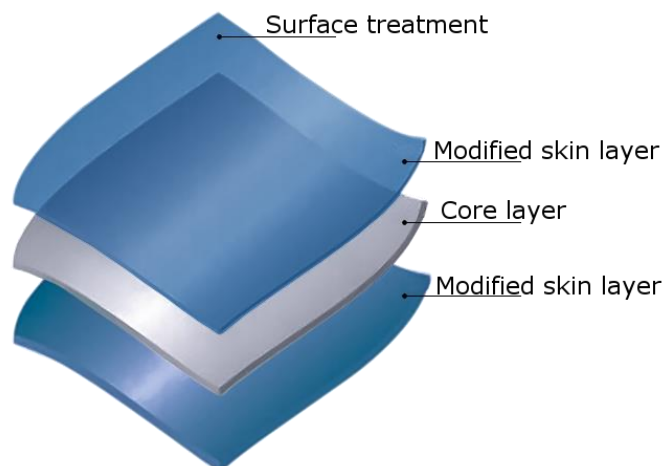
FXS is coextruded BOPP film, heat sealable, one side corona treated. The film is designed for stable and controlled COF. It is suitable for food packaging and goods with general use.

TYPICAL APPLICATIONS

General purpose packaging

Lamination

High quality rotogravure and flexo printing



Properties	Test Methods	Deviation	Typical Values						
Thickness μm	Internal method		20	22.5	25	30	35	40	
Average thickness deviation, %		\pm	2.5	2.5	2.5	2	2	2	
Yield, m^2/kg		$\pm 5\%$	54.9	48.8	44	36.6	31.4	27.4	
Unit weight, g/m^2		$\pm 5\%$	18.2	20.5	22.6	27.3	31.8	36.4	
Gloss (45°)	ASTM D 2457	± 2	85	85	85	85	85	85	
Haze, %	ASTM D 1003	± 0.2	2.1	2.2	2.3	2.5	2.5	2.7	
Coefficient of Friction*	ASTM D 1894	± 0.03	0.33	0.33	0.33	0.33	0.33	0.33	
Shrinkage, % (120°C , 5 min)	BMS TT 0.2		MD	4.0	4.0	4.0	4.0	4.0	4.0
			TD	2.0	2.0	2.0	2.0	2.0	2.0
Elongation at break, %	ASTM D 882	± 30	MD	210	210	210	210	210	210
			TD	80	80	80	80	80	80
Sealing range**, $^\circ\text{C}$			105 \div 145	105 \div 145	105 \div 145	105 \div 145	105 \div 145	105 \div 145	
Seal strength, N/15 mm, 130° , 1bar 1 sec	BMS TT 0.2	± 0.5	2.5	2.5	2.5	2.8	2.8	2.8	
OTR ($\text{cc}/\text{m}^2/\text{day}$)	ASTM D 3985 23°C - $\pm 0\%$ RH		1900	1750	1600	1300	1100	950	
WVTR ($\text{gr}/\text{m}^2/\text{day}$)	ASTM F 1249 38°C - 90% RH		6.5	6.3	6	5	4	3.5	
Tensile strength, MPa	ASTM D 882	± 30	MD	140	140	140	140	140	140
			TD	240	240	240	240	240	240
Surface treatment, dynes/cm	ASTM D 2578a	-	Min 38	Min 38	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
	76 mm (3')		> 700 mm – one row
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.