

شركة القاهرة لصناعة مواد التعبئة والتغليف - ش. م. م.

CAIRO CO. FOR MANUFACTURING PACKING MATERIALS - S.A.E.

ICO EX

Transparent Coextruded

Bi-oriented Polypropylene Film

Heat sealable layer	
OPP intermediate layer	
OPP Core	
OPP intermediate layer	
Heat sealable layer	

Main Characteristics

- Two sides heat sealable with excellent hot tack
- High transparency
- Excellent ink adhesion on treated side.
- High resistance to oil, grease, chemical, puncture and abrasion

Typical Applications

- Rotogravure and flexographic printing
- Lamination (in particular low thickness film) both with itself and other film
- Single web structure (in particular high thickness film)
- Horizontal and vertical packaging machine (HFFS VFFS)
- General overwrapping

Packing

	Core diameter		
Vertical	152 mm (6") 76 mm (3")	≤ 550 mm	≤ 700 mm− two or more rows >700mm - one row
Horizontal	152 mm (6") 76 mm (3")	≤ 770 mm	

Joints

Number of joints per reel	** max. 1 for reels up to 580 mm O/D
Number of Joints per reer	** max. 2 for reels 580 mm and up

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Properties	Tolerance	Ref Typical Values								Unit	Test Method		
Thickness	(+ / -) 3%		15	17	18	20	25	30	35	40	micron		
Unit Weight	(+/-)3%		13.7	15.5	16.4	18.2	22.8	27.3	31.9	36.4	gm/m ²	ASTM D 2673	
Yield	(+/-)3%		73.3	64.6	61.1	55	44	36.6	31.5	27.5	m ² /Kg	7.01W B 2070	
	Min.	MD	120						N/mm ²				
Tensile Strength	Min.	TD											
Florenstian At Book	Max.	MD		200 60					0.4	ASTM D882			
Elongation At Break	Max.	TD							%				
Coefficient Of Friction	Max.	Film/film							ASTM D 1894				
Haze	Max.		2.5						%	ASTM D 1003			
Gloss	Min.		85							G.U.	ASTM D 2457		
Dimensional	Max.	MD	5							0.4	120°C - 5 min		
Stability	Max.	TD		3						%	in air oven		
Heat Seal Range (Untreated Side)				105 – 145						С	OPMA Method		
Heat seal Strength	Min.	Film/film	200	200	200	200	200	250	250	300	Gm/cm	130C/1sec./1bar	
Water Vapour Permeability	Max.		10.7	9.5	9.2	8.3	6.6	5.5	4.7	4.1	gm/ m² d	ASTM F1249 (38°C - 90% RH)	
Oxygen Permeability	Max.		2700	2500	2400	2200	1800	1500	1300	1100	cm ³ / m ² d	ASTMD3985 23°C 0% RH	
Density		0.91								gm / cm³	ASTM D 1505		
Wetting Tension (Treatment)	Min.	38								dyne /cm	ASTM D 2578		
Tolerance													
	< 1.0 Ton								± 20 %				
Weight	> 1.0 Ton To < 10.0 Ton						± 10 %						
	> 10.0 Ton								± 5%				
Tolerance in width	(+/-) 2 mm												

Film storage

It is recommended that the material is stocked in a dry area with a temperature below 30°C in order to restrain the deterioration of the film properties in general. The film is suitable for usage up to 6 months from the date of delivery.

Treatment

The film is generally supplied outside treated TO. The film can be supplied inside treated TI or both sides TB depending on agreement with our sales department.

Food Contact

The Film is compliant with EC and FDA regulations. Specific documents and safety data sheet are available upon request.

The above information is the result of laboratory test which are applied on samples from standard production. Since the varying conditions under which our products used are beyond our control, all of the above results are without guarantee and warranty.

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BRCGS

