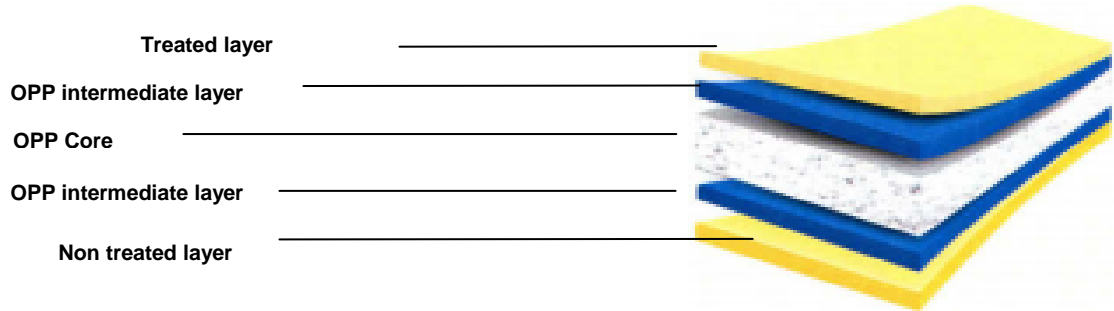


ICO TLB

Transparent Label Coextruded Bi-oriented Polypropylene Film



Treated layer

OPP intermediate layer

OPP Core

OPP intermediate layer

Non treated layer

Main Characteristics

- High transparency and gloss
- High mechanical properties
- Treated one side and heat sealable both sides

Typical Applications

- Reel fed wrap- around labeling
- Rotogravure and flexographic printing
- Non treated side is receptive to hot melt adhesive
- Single web structure (in particular high thickness film)

Packing

	Core diameter	Outer diameter	Note
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 ** max. 2 for reels 580 mm and up
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ICO TLB

Properties	Tolerance	Ref	Typical Values		Unit	Test Method
Thickness	(+ / -) 3%		35	40	micron	ASTM D 2673
Unit Weight	(+ / -) 3%		31.9	36.4	gm/m ²	
Yield	(+ / -) 3%		31.5	27.5	m ² /Kg	
Tensile Strength	Min.	MD	140		N/mm ²	ASTM D882
	Min.	TD	250			
Elongation At Break	Max.	MD	200		%	
	Max.	TD	60			
Coefficient Of Friction	Max.	film/film	0.3			ASTM D 1894
HAZE	Max.		2.5		%	ASTM D 1003
Gloss	Min.		85		G.U.	ASTM D 2457
Dimensional Stability	Max.	MD	5		%	120°C - 5 min in air oven
	Max.	TD	3			
Heat Seal Range (Untreated Side)			105 – 145		C	OPMA Method
Heat Seal Strength	Min.	film/film	250	300	gm/cm	130C/1sec/1bar
Density			0.91		gm / cm ³	ASTM D 1505
Wetting tension (Treatment)	Min.		38		dyne /cm	ASTM D 2578
Tolerance						
Weight	< 1.0 Ton				± 20 %	
	> 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



ISO/IEC 17025:2005



Last update: 1/10/2012