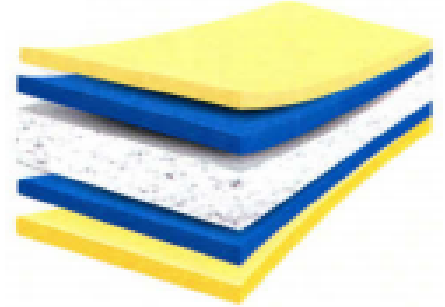


ICO CIG

High speed Transparent Coextruded Bi-oriented Polypropylene Film

Heat sealable layer _____
 OPP intermediate layer _____
 OPP Core _____
 OPP intermediate layer _____
 High speed heat sealable layer _____



Main Characteristics

- Excellent control slip which is recommended for high speed cigarette wrapping and general overwrapping
- Good heat seal on both sides with excellent hot tack
- Excellent transparency and gloss.
- Good barrier to moisture, odours and gases
- Improved with special antistatic agent to achieve a very fast static charge decay.

Typical Applications

- Horizontal and vertical packaging machine (HFFS - VFFS)
- General overwrapping

Reel Size Availability

Core diameter	Outer diameter (mm)	Standard reel length (m)		
		CIG 20	CIG 21	CIG 23
3" (76mm)	320	3700	3550	3200
	240	1950	1850	1700
Thickness (μ)		20 μ	21 μ	23 μ

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ICO CIG

Properties	Tolerance	Ref	Typical Values			Unit	Test Method
Thickness	(+ / -) 5%		20	21	23	micron	ASTM D 2673
Unit Weight	(+ / -) 5%		18.2	19.1	20.9	gm/m ²	
Yield	(+ / -) 5%		55	52.3	47.8	m ² /Kg	
Tensile Strength	Min.	MD	120			N/mm ²	ASTM D882
	Min.	TD	240				
Elongation At Break	Max.	MD	200			%	
	Max.	TD	60				
Coefficient Of Friction	Max.	Film/film	0.22				ASTM D 1894
Haze	Max.		3.5			%	ASTM D 1003
Gloss	Min.		81			G.U.	ASTM D 2457
Dimensional Stability	Max.	MD	5			%	130°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	200			Gm/cm	130C/1sec./1bar
Water Vapour Permeability	Max.		7.3			gm/ m ² d	ASTM F1249 (38°C - 90% RH)
Oxygen Permeability	Max.		2500			cm ³ / m ² d	ASTMD3985 23°C 0% RH
Density			0.91			gm / cm ³	ASTM D 1505
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.

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

Last update: 02/01/2022