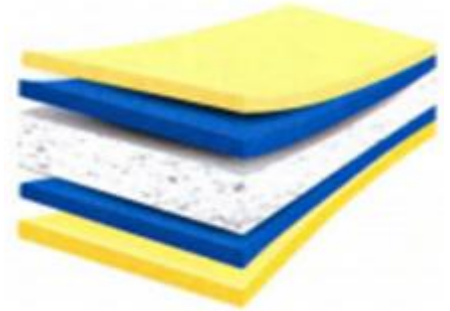
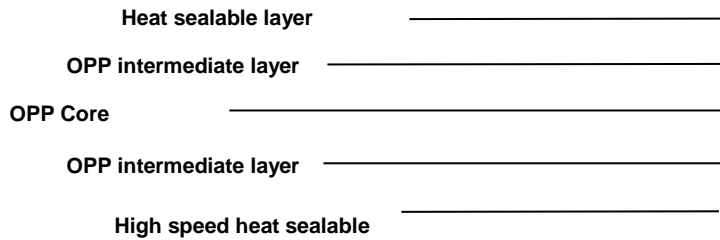


## CIG

### High speed Transparent Coextruded Bi-oriented Polypropylene Film



#### 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 ( $\mu$ )		20 $\mu$	21 $\mu$	23 $\mu$

# CIG

Properties	Tolerance	Ref	Typical Values	Unit	Test Method
<b>Thickness</b>	(+ / -) 5%		20      21      23	micron	ASTM D 2673
<b>Unit Weight</b>	(+ / -) 5%		18.2      19.1      20.9	gm/m <sup>2</sup>	
<b>Yield</b>	(+ / -) 5%		55      52.3      47.8	m <sup>2</sup> /Kg	
<b>Tensile Strength</b>	Min.	MD	120	N/mm <sup>2</sup>	ASTM D882
	Min.	TD	240		
<b>Elongation At Break</b>	Max.	MD	200	%	
	Max.	TD	60		
<b>Coefficient Of Friction</b>	Max.	Film/film	0.22		ASTM D 1894
<b>Haze</b>	Max.		3.5	%	ASTM D 1003
<b>Gloss</b>	Min.		81	G.U.	ASTM D 2457
<b>Dimensional Stability</b>	Max.	MD	5	%	130°C - 5 min in air oven
	Max.	TD	3		
<b>Heat Seal Range (Untreated Side)</b>			105 – 145	C	OPMA Method
<b>Heat seal Strength</b>	Min.	Film/film	200	Gm/cm	130C/1sec./1bar
<b>Water Vapour Permeability</b>	Max.		7.3	gm/ m <sup>2</sup> d	ASTM F1249 (38°C - 90% RH)
<b>Oxygen Permeability</b>	Max.		2500	cm <sup>3</sup> / m <sup>2</sup> d	ASTMD3985 23°C 0% RH
<b>Density</b>			0.91	gm / cm <sup>3</sup>	ASTM D 1505
<b>Tolerance</b>					
<b>Weight</b>	< 1.0 Ton			± 20 %	
	> 1.0 Ton To < 10.0 Ton			± 10 %	
	> 10.0 Ton			± 5 %	
<b>Tolerance in width</b>	(+ / -) 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: 1/8/2025

ISO 9001:2015



ISO 45001:2018



ISO 14001:2015



BRCGS

