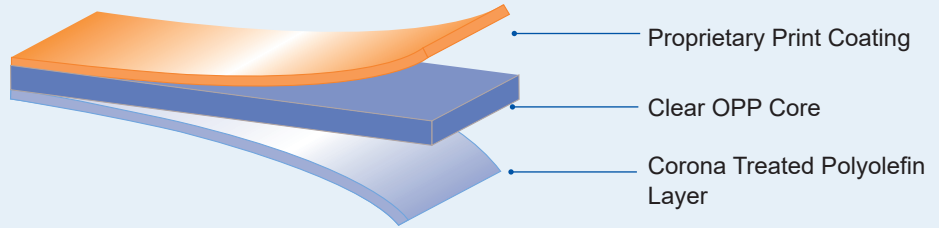


Encore CPA51b30

Technical Data Sheet



CPA b30 - High Performance, Top Coated Clear, High Gloss Biaxially Oriented Polypropylene Film with Bio-Sourced Renewable PP Resin for Facestock Applications.



Technical Features

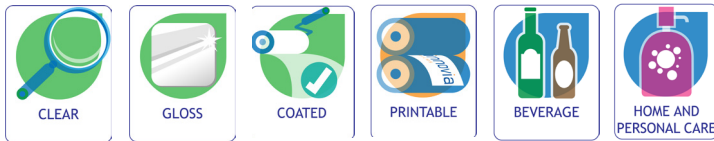
- Dedicated superior print receptive top coating for excellent printability
- Excellent Clarity for 'no-label look'
- Excellent hot/cold moisture resistance
- Recyclable with polyolefin materials
- Semi-squeeze performance
- High stiffness for conversion and automatic dispensing
- Balanced biaxial orientation for superior die cutting
- High gloss surface

Sustainable Features

- PP certified 30% from bio-sourced renewable source
- ISCC certified via mass balance
- Contributes to reducing global warming :
 - reduced carbon footprint
 - reduced use of fossil resources

Applications

Encore CPA b30 has a proprietary top coating which gives outstanding printing performance across a wide variety of printing processes including flexography, letterpress, offset, silkscreen, gravure and hot or cold foiling processes. It is highly compatible with UV, water-based and solvent-based inks, excellent for demanding applications where the label can be exposed to moisture and a range of temperatures. However, exact ink and foil systems should be recommended by your supplier.



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	CPA b30	
Thickness	Innovia Films test		micron	51	
			gauge	200	
Yield	Innovia Films test		m ² /kg	21.5	
			in ² /lb	15100	
			g/m ²	46.5	
Optical: Gloss Haze (wide angle)	Innovia Films test		%	90	
				<3.0	
Tensile strength	ASTM D 882	Strain rate 50%/min	MN/m ²	MD	200
				TD	180
			kpsi	MD	29.0
				TD	26.1
Elongation at break	ASTM D 882	Strain rate 50%/min	%	MD	105
				TD	120
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10%/min	MN/m ²	MD	2400
				TD	2200
			kpsi	MD	348
				TD	319
Dimensional stability	Innovia Films test	60 secs at 120°C (248°F)	%	MD	3.0
				TD	Nil
		60 secs at 130°C (266°F)		MD	6.0
				TD	1.0

MD: Machine Direction TD: Transverse Direction
 All properties are tested under standard laboratory conditions: 23 ± 2°C, 50 ± 5% RH, (73 ± 4°F, 50 ± 5% RH), unless otherwise stated. Where relevant, tests are based on international testing standards.
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Conversion

The balanced biaxial orientation of Encore CPA b30 results in excellent die cutting performance, enhancing label edge appearance and prolonging die life. The high machine direction stiffness and tensile strength produces excellent matrix stripping and superior high speed label dispensing.

Reel Specifications

Nominal Reel Diameters

Film	Core Size/(mm)	Approx Outside Dia/(mm)	Length/(metres)
CPA51b30	153	812	9300

Film	Core Size/(in)	Approx Outside Dia/(in)	Length/(feet)
CPA200b30	6	31.9	30500

Alternative reel lengths/core sizes are available subject to negotiation.

The print coating is available on either the inner or outer surface of Encore CPA b30.

Film Storage and Handling

Care should be taken to protect reels of film from storage temperatures above 30°C (86°F) and localised sources of heat above 45°C (115°F). The reels should remain in the protective coverings supplied until ready for use on converting machinery. Converted reels, in both master and slit reel form should be similarly protected at all times. Encore CPA b30 is suitable for use for 6 months from the date of delivery and stocks should be used in rotation. Films should be allowed to reach operating room temperatures for 24 hours before use.

Food Contact

Encore CPA b30 does not comply with either EU or US legislation for direct contact with food. For specific enquires please contact our Technical Services Department.

Health & Safety Guidelines

For Health & Safety information, please refer to literature reference L190.

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Regional Offices:

Europe (UK) Tel +44 16973 42281
Americas (USA) Tel +1 800 424 6273
Asia-Pacific (Aus) Tel +61 3 9303 0600

www.innoviafilms.com
email: labels@innoviafilms.com
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