

Rayoface™ CPA

Data

High Performance, Top Coated Clear, High Gloss
Biaxially Oriented Polypropylene Film for Facestock Applications

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 even die cutting
- High gloss surface

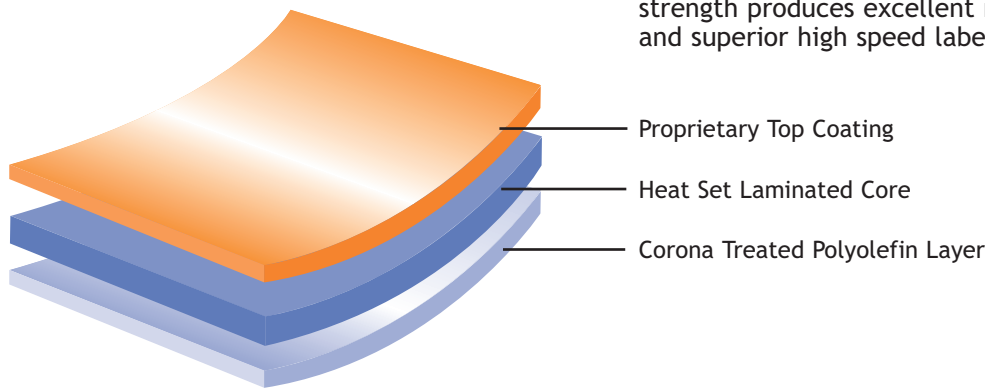
PRINTABILITY

Rayoface CPA 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. With UV curing inks, print adhesion is maintained even after immersion in hot water, for example in pasteurisation processes, or after prolonged immersion in iced water with no visible clouding of the topcoat. However, exact ink and foil systems should be recommended by your supplier.

CONVERSION

The balanced biaxial orientation of Rayoface CPA 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.

CONSTRUCTION



STANDARD ROLL SPECIFICATIONS

Film	Core Size / (in)	Approx Outside Dia / (in)	Length / (feet)
CPA160	6	34.8	45900
CPA200	6	31.8	30500
CPA230	6	34.1	30500

Alternative roll lengths/core sizes are available subject to negotiation.
The top coating is available on either the inner or outer surface of Rayoface CPA.
The uncoated surface is corona discharge treated.

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Technical Properties (Typical Values)

Physical Data

Property	Test Method	Test Conditions	Units	CPA		
Thickness	Innovia Films test		gauge	160	200	230
Yield	Innovia Films test		in ² /lb g/m ²	18800 37.3	15100 46.5	13100 53.8
Optical: Gloss	ASTM D 2457	45°	%	90		
Haze (wide angle)	ASTM D 1003	2.5°		<3.0		

Mechanical Data

Tensile strength	ASTM D 882	Strain rate 50%/min	kpsi	MD TD	29.0 26.0
Elongation at break	ASTM D 882	Strain rate 50%/min	%	MD TD	105 120
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10%/min	kpsi	MD TD	348 319

Thermal Data

Dimensional stability	Innovia Films test	60 secs at 248 °F	%	MD TD	3.0
		60 secs at 266 °F			MD TD

All properties are tested under standard laboratory conditions: 73 ±4°F; 50 ±5% RH, unless otherwise stated.
 MD Machine direction TD Transverse direction

Film Storage and Handling

Care should be taken to protect rolls of film from storage temperatures above 86°F and localized sources of heat above 113°F.

The rolls should remain in the protected coverings supplied until ready for use on converting machinery.

Converted rolls, in both master and slit roll form should be similarly protected at all times.

Rayoface CPA 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.

Please refer to literature reference L110 - 1 of 2.

Food Contact

Rayoface CPA is not suitable for applications involving direct contact with foodstuffs. For specific inquiries, please refer to literature reference L110 - 2 of 2, or contact our Technical Services Department.

Health and Safety Guidelines

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



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