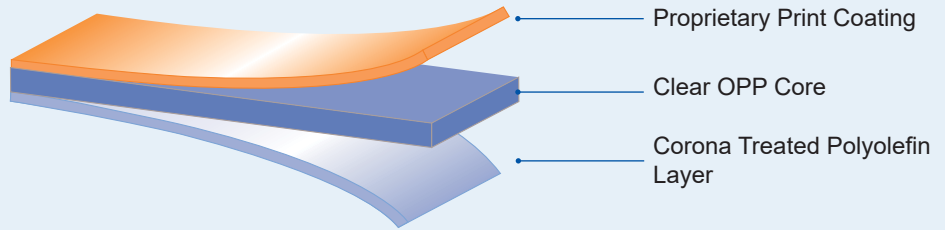


Rayoface™ CZPA

Technical Data Sheet

CZPA - Top Coated Clear, High Gloss Biaxially Oriented Polypropylene Film, with Enhanced Squeezability for Facestock Applications.

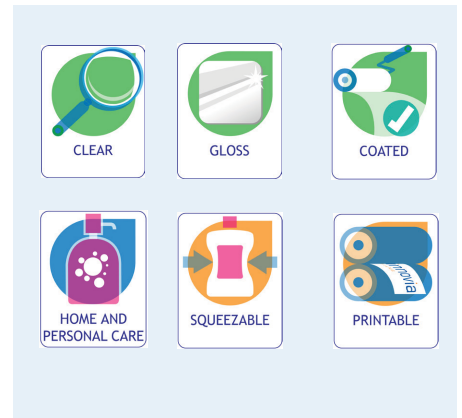


Features

- Enhanced squeeze performance
- Dedicated superior print receptive top coating for excellent printability
- Excellent clarity for 'no-label look'
- Excellent hot/cold moisture resistance
- Recyclable with polyolefin materials
- Balanced biaxial orientation for superior die cutting
- High gloss surface

Printability

Rayoface™ CZPA 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	CZPA	
				MD	TD
Thickness	Innovia Films test		micron	51	56
			gauge	200	220
Yield	Innovia Films test		m ² /kg	21.5	19.6
			in ² /lb	15100	13800
			g/m ²	46.5	51.0
Optical; Gloss Haze (wide angle)	Innovia Films test	45° 2.5°	%	85	
				<3.0	
Tensile strength	ASTM D 882	Strain rate 50%/min	MN/m ²	MD	170
				TD	180
			kpsi	MD	24.6
				TD	26.1
Elongation at break	ASTM D 882	Strain rate 50%/min	%	MD	80
				TD	150
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10%/min	MN/m ²	MD	1300
				TD	1150
			kpsi	MD	188
				TD	167
Dimensional stability	Innovia Films test	60 secs at 100°C (212°F)	%	MD	5.0
				TD	-1.0

MD Machine Direction TD Transverse Direction

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

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use our imagination...

Rayoface™ CZPA

Technical Data Sheet

Conversion

The balanced biaxial orientation of Rayoface™ CZPA 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)
CZPA51	153	813	9300
		929	12300
CZPA56	153	849	9300
		973	12300

Film	Core Size/(in)	Approx Outside Dia/(in)	Length/(feet)
CZPA200	6	32.0	30500
		36.6	40300
CZPA220	6	33.4	30500
		38.3	40300

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

The print coating is available on either the inner or outer surface of Rayoface™ CZPA.

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 (113°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. Rayoface™ CZPA 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

Rayoface™ CZPA does not comply with either EU or US legislation for direct contact with food. For specific enquiries please contact our Technical Services department.

Health & Safety Guidelines

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

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