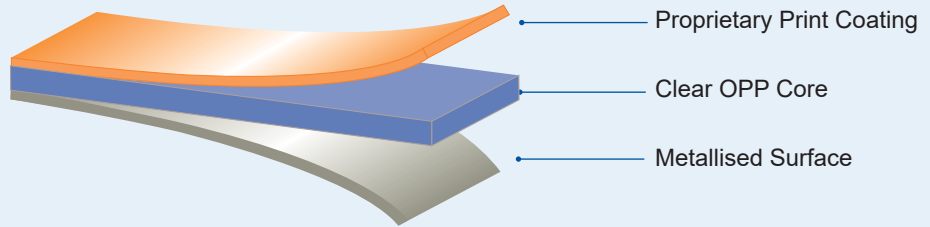


Rayofoil™ MCPA

Technical Data Sheet

MCPA - High Performance, Coated Clear, High Gloss, Reverse Metallised Biaxially Oriented Polypropylene Film for Facestock Applications.

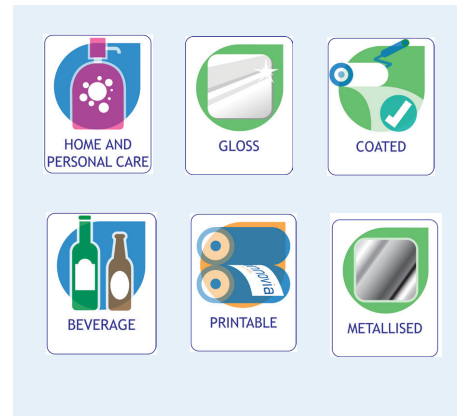


Features

- Superior metallised surface lustre
- Excellent metal adhesion
- Dedicated superior print receptive top coating for excellent printability
- Semi-squeeze performance
- High stiffness conversion and automatic dispensing
- Balanced biaxial orientation for superior die cutting
- High gloss surface

Printability

Rayofoil™ MCPA 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	MCPA
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 density	Innovia Films test			2.5
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 ± 4F, 50 ± 5% RH), unless otherwise stated. Where relevant, tests are based on international testing standards.

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use our imagination...

Rayofoil™ MCPA

Technical Data Sheet

Conversion

The balanced biaxial orientation of Rayofoil™ MCPA 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)
MCPA51	153	812	9300

Film	Core Size/(in)	Approx Outside Dia/(in)	Length/(feet)
MCPA200	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 Rayofoil™ MCPA.

Film Storage and Handling

Rayofoil™ MCPA should be stored in dry conditions below 30°C (86°F) and localised sources of heat above 45°C (113°F) should be avoided. Exposure to high levels of humidity, moisture due to condensation and water splashes should also be avoided. Reels of Rayofoil™ MCPA are delivered in a high barrier protective covering, the reels should remain in this protective covering until ready for conversion. Converted reels, in both master and slit form should also be similarly protected at all times. Rayofoil™ MCPA is suitable for use for 4 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

Rayofoil™ MCPA 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.

Additional Information

Innovia Films neither guarantees nor tests the pasteurisation resistance for Rayofoil™ MCPA. If this product is to be used in a pasteurisable application, we would advise you to undertake your own thorough testing to ensure it meets your requirements. To maintain security of supply, Innovia Films may on occasion use qualified third party metallisers.

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