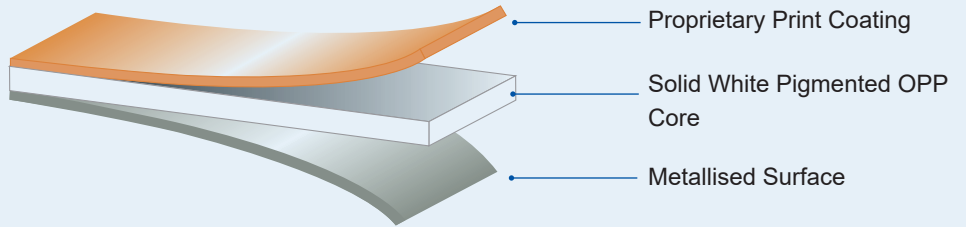


Rayofoil™ MWA

Technical Data Sheet

MWA - Top Coated White, High Gloss, Reverse Metallised Biaxially Oriented Polypropylene Film for Facestock Applications.

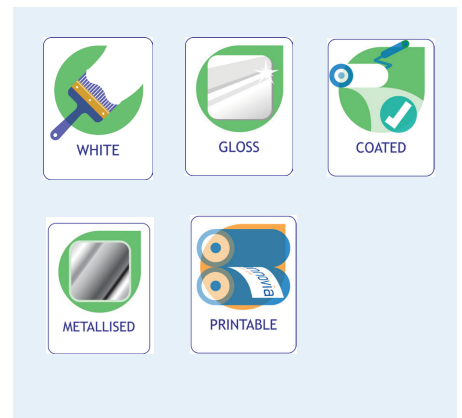


Features

- Dedicated print receptive top coating for excellent printability
- Reverse metallised for exceptional opacity
- Excellent hot/cold moisture resistance
- Recyclable with polyolefin materials
- Semi-squeeze performance
- High stiffness conversion and automatic dispensing
- Balanced biaxial orientation for superior die cutting
- High gloss surface

Printability

Rayofoil™ MWA has a proprietary aqueous-based top coating to give superior printability. The reverse side is metallised to provide superior opacity to the white film. Excellent for demanding applications where the label could be exposed to moisture and a range of temperatures. It can be printed by flexographic, gravure, silkscreen and letterpress processes using a wide variety of different inks. However, exact ink systems should be recommended by your supplier.



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	MWA	
Thickness	Innovia Films test		micron	59	
			gauge	230	
Yield	Innovia Films test		m ² /kg	17.3	
			in ² /lb	12200	
			g/m ²	57.8	
Optical density	Innovia Films test			3.5	
Tensile strength	ASTM D 882	Strain rate 50%/min	MN/m ²	MD	175
				TD	155
			kpsi	MD	25.4
				TD	22.5
Elongation at break	ASTM D 882	Strain rate 50%/min	%	MD	85
				TD	110
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10%/min	MN/m ²	MD	2400
				TD	2100
			kpsi	MD	348
				TD	304
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	7.0	
			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™ MWA

Technical Data Sheet

Conversion

The balanced biaxial orientation of Rayofoil™ MWA 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)
MWA59	153	871	9300

Film	Core Size/(in)	Approx Outside Dia/(in)	Length/(feet)
MWA230	6	34.2	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™ MWA.

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). Reels of Rayofoil™ MWA should be protected from high levels of moisture and accidental water splashes at all times. 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. Rayofoil™ MWA 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™ MWA 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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