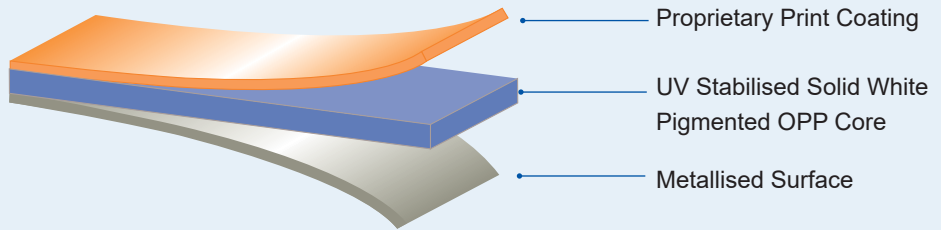


Rayofoil™ MWGS

Technical Data Sheet

MWGS - Top Coated White, High Gloss, Reverse Metallised Biaxially Oriented Polypropylene Film with enhanced UV stability for Facestock Applications.

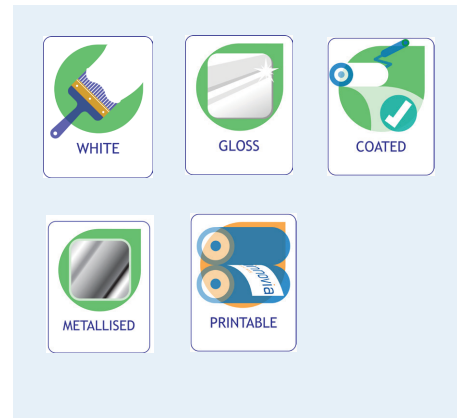


Features

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

Printability

MWGS92(360) 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	MWGS
Thickness	Innovia Films test		micron	92
			gauge	360
Yield	Innovia Films test		m ² /kg	11.1
			in ² /lb	7800
			g/m ²	90.1
Optical density	Innovia Films test			3.0
Tensile strength	ASTM D 882	Strain rate 50%/min	MN/m ² MD TD	180
				170
Elongation at break	ASTM D 882	Strain rate 50%/min	% MD TD	110
				120
Elasticity modulus (1% secant)	ASTM D 882	2 secs; 0.10MN/m ² 2 secs; 15 psi	MN/m ² MD TD	2000
				1900
Dimensional stability	Innovia Films test	60 secs at 120°C (250°F) 60 secs at 130°C (265°F)	% MD TD MD TD	3.0
				Nil
				7.0
				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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Rayofoil™ MWGS

Technical Data Sheet

Conversion

The balanced biaxial orientation of Rayofoil™ MWGS 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)
MWGS92	153	873	6000

Film	Core Size/(in)	Approx Outside Dia/(in)	Length/(feet)
MWGS360	6	34.3	19700

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

The print coating is available on either the inner or outer surface of Rayofoil™ MWGS.

Film Storage and Handling

Rayofoil™ MWGS should be stored in dry conditions 30°C (86°F) and localised sources of heat above 45°C (115°F) should be avoided. Exposure to high levels of humidity, moisture due to condensation and water splashes should also be avoided. Reels of Rayofoil™ MWGS 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™ MWGS 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™ MWGS 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 contact our labels development department.

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