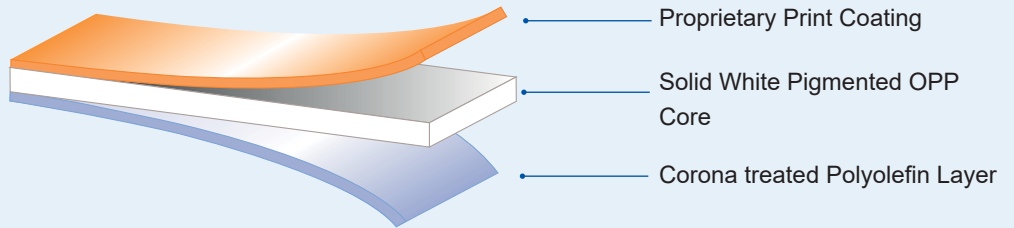


Rayoface™ WPA

Technical Data Sheet

WPA - High Performance, Top Coated White, High Gloss Biaxially Oriented Polypropylene Film for Facestock Applications.

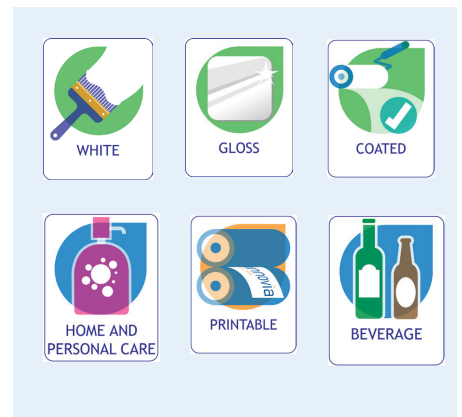


Features

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

Printability

Rayoface™ WPA 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 top coat. However, exact ink and foil systems should be recommended by your supplier.



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	WPA	
Thickness	Innovia Films test		micron	51	59
			gauge	200	230
Yield	Innovia Films test		m ² /kg	19.8	17.3
			in ² /lb	13900	12200
			g/m ²	50.6	57.8
Optical opacity	Innovia Films test		%	80	
Tensile strength	ASTM D 882	Strain rate 50%/min	MN/m ²	MD	175
				TD	155
			kpsi	MD	25.3
				TD	22.5
Elongation at break	ASTM D 882	Strain rate 50%/min	%	MD	95
				TD	115
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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Rayoface™ WPA

Technical Data Sheet

Conversion

The balanced biaxial orientation of Rayoface™ WPA 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)
WPA51	153	930	12300
WPA59	152	871	9300

Film	Core Size/(in)	Approx Outside Dia/(in)	Length/(feet)
WPA200	6	36.6	40350
WPA230	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 Rayoface™ WPA.

Film Storage and Handling

Care should be taken to protect reels of film from storage temperatures above 30°C (86°) and localised sources of heat above 45°C (113°). 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™ WPA 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™ WPA 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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