

Rayoface™ WPA

Data

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 even die cutting
- High gloss surface

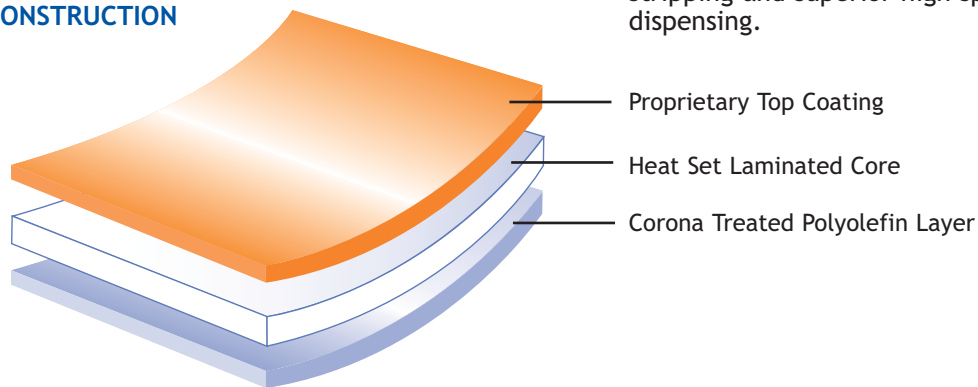
PRINTABILITY

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 topcoat. However, exact ink and foil systems should be recommended by your supplier.

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.

CONSTRUCTION



STANDARD REEL SPECIFICATIONS

Film	Core Size / (mm)	Approx Outside Dia / (mm)	Length / (metres)
WPA59	153	864	9300

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.
The uncoated surface is corona discharge treated.

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Technical Properties (Typical Values)

Physical Data

Property	Test Method	Test Conditions	Units	WPA
Thickness	Innovia Films test		micron	59
Yield	Innovia Films test		m ² /kg g/m ²	17.3 57.8
Optical opacity	Innovia Films test		%	80

Mechanical Data

Tensile strength	ASTM D 882	Strain rate 50%/min	MN/m ²	MD TD	175 155
Elongation at break	ASTM D 882	Strain rate 50%/min	%	MD TD	85 110
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10%/min	MN/m ²	MD TD	2400 2100

Thermal Data

Dimensional stability	Innovia Films test	60 secs at 120°C	%	MD TD	3.0 Nil
		60 secs at 130°C		MD TD	7.0 1.0

All properties are tested under standard laboratory conditions: 23 ±2°C; 50 ±5% RH, unless otherwise stated.

MD Machine direction TD Transverse direction

Film Storage and Handling

Care should be taken to protect reels of film from storage temperatures above 30°C and localised sources of heat above 45°C.

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.

Please refer to literature reference L110 - 1 of 2.

Food Contact

Rayoface WPA is not suitable for applications involving direct contact with foodstuffs. For specific enquiries, please refer to literature reference L110 - 2 of 2, or contact our Technical Services Department.

Health and Safety Guidelines

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



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