

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

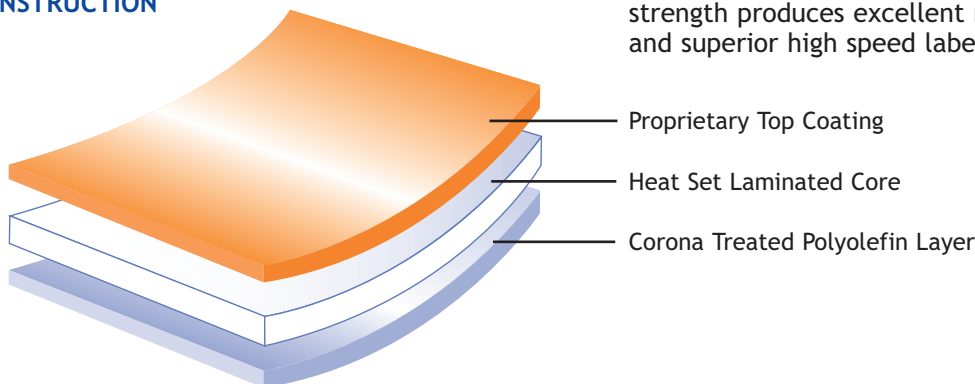
PRINTABILITY

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 ROLL SPECIFICATIONS

| Film | Core Size / (in) | Approx Outside Dia / (in) | Length / (feet) |
|--------|------------------|---------------------------|-----------------|
| WPA230 | 6 | 34.0 | 30500 |

Alternative roll 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 | | gauge | 230 |
| Yield | Innovia Films test | | in ² /lb g/m ² | 12200 57.8 |
| Optical opacity | Innovia Films test | | % | 80 |

Mechanical Data

| | | | | | |
|-----------------------------------|------------|---------------------|------|----------|--------------|
| Tensile strength | ASTM D 882 | Strain rate 50%/min | kpsi | MD TD | 23.9 21.0 |
| Elongation at break | ASTM D 882 | Strain rate 50%/min | % | MD TD | 95 115 |
| Elasticity modulus (1% secant) | ASTM D 882 | Strain rate 10%/min | kpsi | MD TD | 348 304 |

Thermal Data

| | | | | | |
|-----------------------|--------------------|-------------------|---|----------|----------|
| Dimensional stability | Innovia Films test | 60 secs at 248 °F | % | MD TD | 3.0 |
| | | 60 secs at 266 °F | | | MD TD |

All properties are tested under standard laboratory conditions: 73 ±4 °F; 50 ±5% RH, unless otherwise stated.
 MD Machine direction TD Transverse direction

Film Storage and Handling

Care should be taken to protect rolls of film from storage temperatures above 86 °F and localized sources of heat above 113 °F.

The rolls should remain in the protected coverings supplied until ready for use on converting machinery.

Converted rolls, in both master and slit roll 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 inquiries, 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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