

Rayoface™ WDI Data

White, High Gloss, Top Coated Biaxially Oriented Polypropylene Film for Facestock Applications
Requiring Indigo® ElectroInk™ Receptivity

FEATURES

- Dedicated superior print receptive top coating for excellent printability by Indigo® ElectroInk™ toner systems
- Fully certified by HP Indigo®
- Approved for WS4000/4050/4500 and WS2000 presses
- High opacity
- High gloss surface
- 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

PRINTABILITY

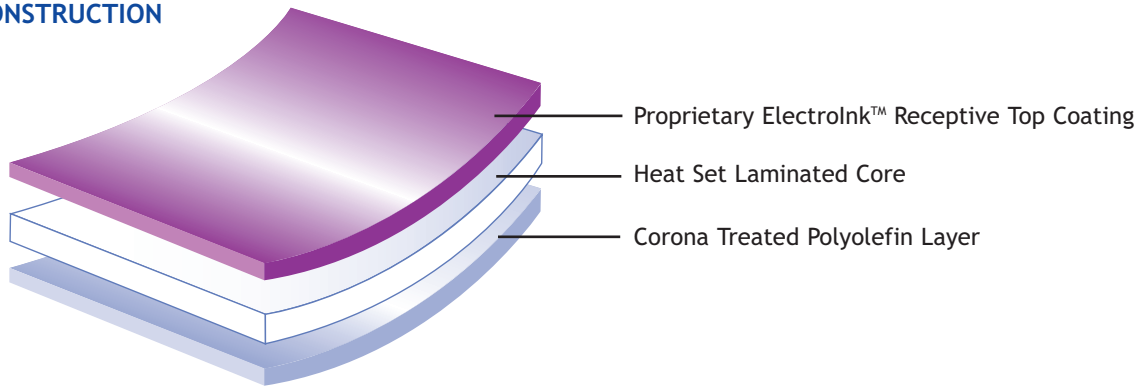
Rayoface WDI has a proprietary aqueous top coating specifically designed for receptivity of Indigo® liquid toners.

CONVERSION

The balanced biaxial orientation of Rayoface WDI 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)
WDI230	3	20.3	10100
	6	34	30500

Alternative reel lengths/core sizes are available subject to negotiation.
The ElectroInk™ receptive surface is available on either the inner or outer surface of Rayoface WDI.

Indigo® and ElectroInk™ are trademarks/registered trademarks of HP Indigo®.

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Technical Properties (Typical Values)

Physical Data

Property	Test Method	Test Conditions	Units	WDI
Thickness	Innovia Films test		gauge	230
Yield	Innovia Films test		in ² /lb g/m ²	12200 57.5
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 WDI 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 WDI is suitable for most 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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