

# 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 die cutting

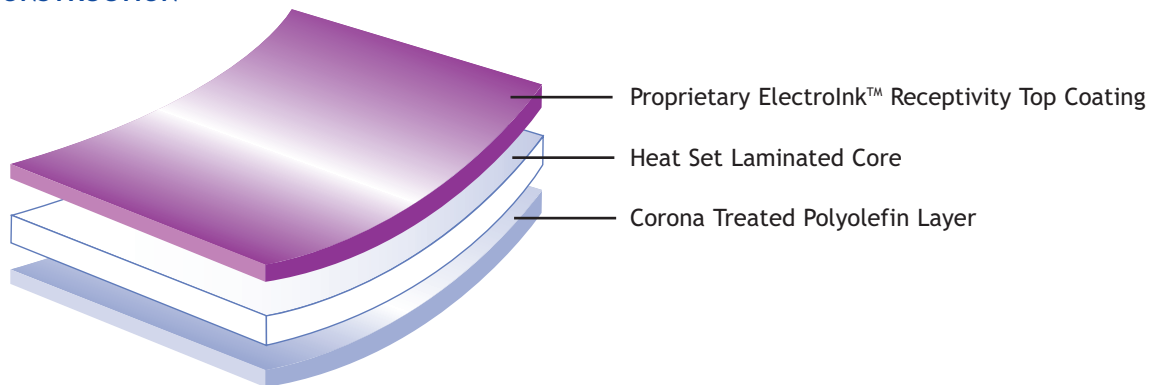
## PRINTABILITY

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 REEL SPECIFICATIONS

Film	Core Size / (mm)	Approx Outside Dia / (mm)	Length / (metres)
WDI59	77	515	3100
	153	864	9300

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.

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## Technical Properties (Typical Values)

### Physical Data

Property	Test Method	Test Conditions	Units	WDI
Thickness	Innovia Films test		micron	59
Yield	Innovia Films test		m <sup>2</sup> /kg g/m <sup>2</sup>	17.4 57.5
Optical opacity	Innovia Films test		%	80

### Mechanical Data

Tensile strength	ASTM D 882	Strain rate 50%/min	MN/m <sup>2</sup>	MD TD	180 150
Elongation at break	ASTM D 882	Strain rate 50%/min	%	MD TD	70 90
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10%/min	MN/m <sup>2</sup>	MD TD	2700 2300

### Thermal Data

Dimensional stability	Innovia Films test	60 secs at 120°C	%	MD	4.0
		60 secs at 130°C		TD	Nil
				MD	8.0
				TD	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 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 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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