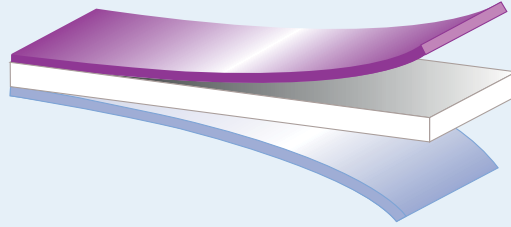


Rayoface™ WDI

Technical Data Sheet

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



Proprietary ElectroInk™ Receptive Print Coating

Solid White Pigmented OPP Core

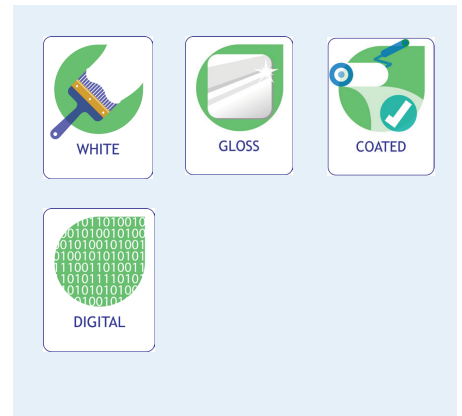
Corona Treated Polyolefin Layer

Features

- Dedicated superior print receptive top coating for excellent printability by Indigo® ElectroInk™ toner systems
- Top coat fully certified by HP Indigo®
- Approved for WS2000/4000/4050/4500/6000 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
- Excellent whiteness

Printability

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



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	WDI	
Thickness	Innovia Films test		micron	51	59
			gauge	200	230
Yield	Innovia Films test		m ² /kg	19.8	17.4
			in ² /lb	13900	12200
			g/m ²	50.5	57.5
Optical Opacity	Innovia Films test	45°	%	80	
Tensile strength	ASTM D 882	Strain rate 50%/min	MN/m ²	MD	175
				TD	155
			kpsi	MD	25.4
				TD	22.5
Elongation at break	ASTM D 882	Strain rate 50%/min	%	MD	85
				TD	110
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	4.0
				TD	Nil
		60 secs at 130°C (266°F)		MD	8.0
				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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use our imagination...

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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.

Reel Specifications

Nominal Reel Diameters

Film	Core Size/(mm)	Approx Outside Dia/(mm)	Length/(metres)
WDI51	77	463	3100
	153	930	12300
WDI59	77	515	3100
	153	864	9300

Film	Core Size/(in)	Approx Outside Dia/(in)	Length/(feet)
WDI200	6	36.6	40350
WDI230	3	20.3	10100
	6	34	30500

Alternative reel lengths/core sizes are available subject to negotiation.

The ElectroInk™ receptive coating is available on either the inner or outer surface of Rayoface™ WDI.

Film Storage and Handling

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

Food Contact

For information on the food contact status of Rayoface™ WDI please contact our Technical Services department.

Health & Safety Guidelines

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



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