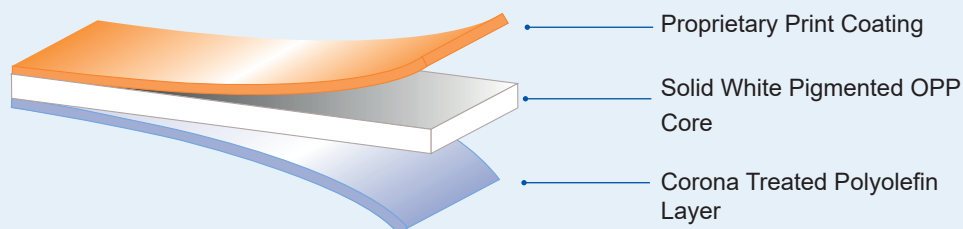


UltraFoil WFA

Technical Data Sheet

WFA - Top Coated White, Food Compliant, Biaxially Oriented Polypropylene Film for Facestock Applications.



Features

- Dedicated print and foil receptive top coat
- Superior fine tone and foiling performance
- High opacity
- High gloss surface
- Excellent hot/cold moisture resistance
- For rigid or semi-squeeze containers
- High stiffness for conversion and automatic dispensing
- Balanced biaxial orientation for superior die cutting
- Excellent whiteness

Printability

UltraFoil WFA utilises a proprietary aqueous top coating to give superior narrow web print and foil performance. The tailored surface allows enhanced detail for finer tone work and intricate foiling designs for maximum brand enhancement. UltraFoil WFA is compatible with a wide range of print and foil processes including flexography, gravure, letterpress, offset and screen. Exact ink and adhesive systems should be recommended by your supplier. For optimum foiling performance corona treatment is recommended.



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	WFA	
Thickness	Innovia Films test		micron	51	
			gauge	200	
Yield	Innovia Films test		m ² /kg	20.0	
			in ² /lb	14100	
			g/m ²	50.0	
Optical opacity	Innovia Films test		%	80	
Tensile strength	ASTM D 882	Strain rate 50%/min	MN/m ²	MD 175 TD 155	
			kpsi	MD 25.3 TD 22.5	
			%	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	
			%	MD	3.0
				TD	Nil
Dimensional stability	Innovia Films test	60 secs at 120°C (248°F)	MD	7.0	
			TD	1.0	
		60 secs at 130°C (266°F)	MD	7.0	
			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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UltraFoil WFA

Technical Data Sheet

Conversion

High machine direction stiffness and tensile strength afford fast, efficient self adhesive lamination, enhanced printing press registration, matrix stripping and superior high speed label dispensing. Die cutting performance and reduced die wear are aided by the balanced orientation properties of the facestock film.

Reel Specifications

Nominal Reel Diameters

Film	Core Size/(mm)	Approx Outside Dia/(mm)	Length/(metres)
WFA51	153	930	12300

Film	Core Size/(in)	Approx Outside Dia/(in)	Length/(feet)
WFA200	6	36.6	40350

Alternative reel lengths/core sizes are available subject to negotiation.
The print coating is available on either the inner or outer surface of Ultrafoil WFA.

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). Reels of UltraFoil WFA should be protected from high levels of moisture and accidental water splashes at all times. 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. UltraFoil WFA 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

UltraFoil WFA complies with the applicable EU and US legislation for most applications involving direct contact with foods. Full details are given on the Declaration of Compliance. Customers intending to use UltraFoil WFA in a food contact application should request a copy of this document from Innovia Films. Details of compliance with food contact legislation in non-EU countries are also available upon request.

Health & Safety Guidelines

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

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