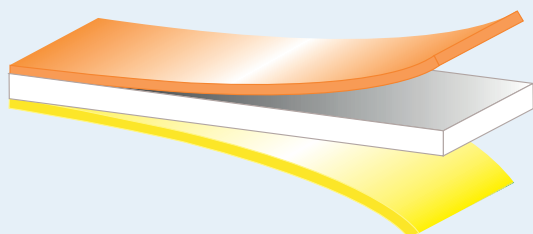


UltraFoil AWFA

Technical Data Sheet

AWFA - High Performance, Two Side Coated White, High Gloss Biaxially Oriented Polypropylene Film for Facestock Applications.



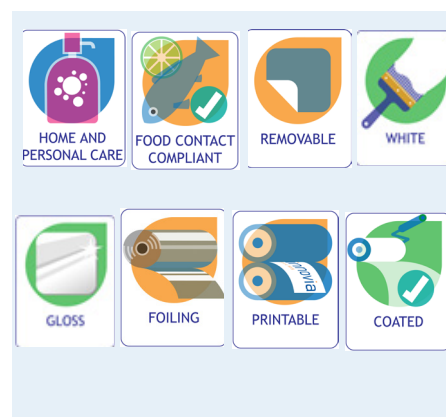
- Proprietary Print Coating
- Solid White Pigmented OPP Core
- Adhesive Receptive Coating

Features

- Dedicated print and foil receptive top coat
- Superior fine tone and foiling performance
- Dedicated adhesive receptive coating for enhanced adhesive anchorage
- High opacity minimising show-through
- High gloss surface
- For rigid or semi-squeeze containers
- High stiffness for conversion and automatic dispensing
- Balanced biaxial orientation for superior die cutting

Printability

UltraFoil AWFA 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 AWFA 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	AWFA
Thickness	Innovia Films test		micron	52
			gauge	200
Yield	Innovia Films test		m ² /kg	19.8
			in ² /lb	13900
			g/m ²	50.5
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
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 3.0
				TD Nil
		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 AWFA

Technical Data Sheet

Conversion

The balanced biaxial orientation of Ultrafoil AWFA 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)
AWFA52	153	935	12300

Film	Core Size/(in)	Approx Outside Dia/(in)	Length/(feet)
AWFA200	6	37.0	40500

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

The print coating is available on either the inner or outer surface of Rayoface™ AWFA.

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. UltraFoil AWFA 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 AWFA 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 AWFA 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.

Additional Information

Innovia Films neither guarantees nor tests the pasteurisation resistance for Ultrafoil AWFA. If this product is to be used in a pasteurisation application, we would advise you to undertake your own thorough testing to ensure it meets your requirements.

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