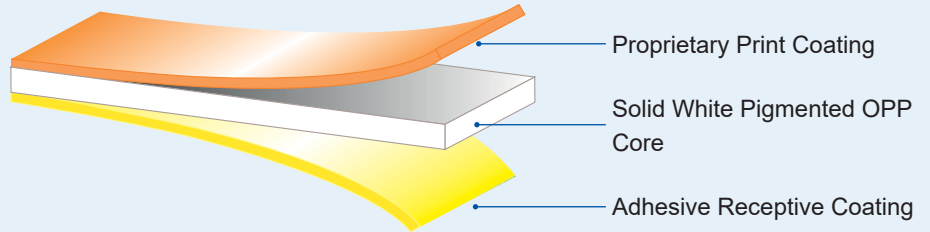


Rayoface™ AWPA

Technical Data Sheet

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

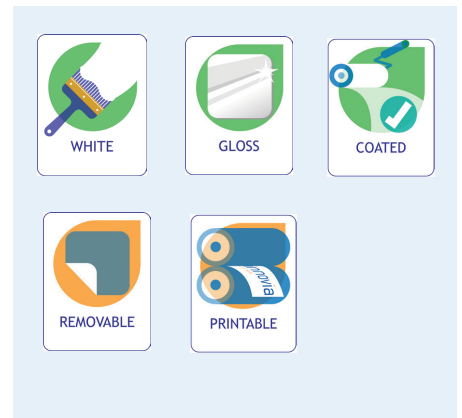


Features

- Dedicated superior print receptive top coating for excellent printability
- Dedicated adhesive receptive coating for enhanced adhesive anchorage
- Excellent hot/cold moisture resistance
- Recyclable with polyolefin materials
- Semi-squeeze performance
- High stiffness conversion and automatic dispensing
- Balanced biaxial orientation for superior die cutting
- High gloss surface
- Excellent Whiteness

Printability

Rayoface™ AWPA has a proprietary top coating which gives outstanding printing performance across a wide variety of printing processes including flexography, letterpress, offset, silkscreen, gravure and hot or cold foiling processes. It is highly compatible with UV, water-based and solvent-based inks, excellent for demanding applications where the label can be exposed to moisture and a range of temperatures. However, exact ink and foil systems should be recommended by your supplier.



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	AWPA	
Thickness	Innovia Films test		micron	52	60
			gauge	200	230
Yield	Innovia Films test		m ² /kg	19.5	17.0
			in ² /lb	13700	12000
			g/m ²	51.3	58.8
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.

Rayoface™ AWPA- 1 of 2 - 0120

Rayoface™ AWPA

Technical Data Sheet

Conversion

The balanced biaxial orientation of Rayoface™ AWPA 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)
AWPA52	153	940	12300
AWPA60	153	877	9300

Film	Core Size/(in)	Approx Outside Dia/(in)	Length/(feet)
AWPA200	6	32.0	30500
AWPA230	6	34.5	30500

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

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

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™ AWPA 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

Rayoface™ AWPA does not comply with either EU or US legislation for direct contact with food. For specific enquires please contact our Technical Services Department.

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 Rayoface™ AWPA. 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.

Disclaimer: Innovia Films or any of its affiliated companies (hereinafter 'Innovia Films') declines any liability with respect to the use made by any third party of the information contained herein. The information contained herein represents Innovia Films' best knowledge thereon without constituting any express or implied guarantee or warranty of any kind (including, but not limited to, the accuracy, the completeness or relevance of the data set out herein). Innovia Films is the sole owner or authorised user of the intellectual property rights relating to the information communicated. The information relating to the use of the products is given for information purposes only. No guarantee or warranty is provided that the product is adapted to the client's specific use. The client should perform his own tests to determine the suitability for a particular purpose. The final choice of use of a product remains the sole responsibility of the client.

Rayoface™ AWPA – 2 of 2 - 0120

Regional Offices:

Europe (UK) Tel +44 16973 42281

Americas (USA) Tel +1 800 424 6273

Asia-Pacific (Aus) Tel +61 3 9303 0600

www.innoviafilms.com

email: labels@innoviafilms.com

™ Trademark of Innovia Films

