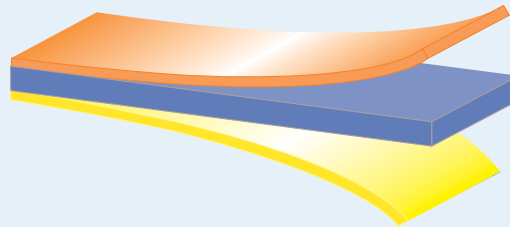


# Rayoface™ ACPA

## Technical Data Sheet

**ACPA - High Performance, Two Side Coated Clear, High Gloss Biaxially Oriented Polypropylene Film for Facestock Applications.**



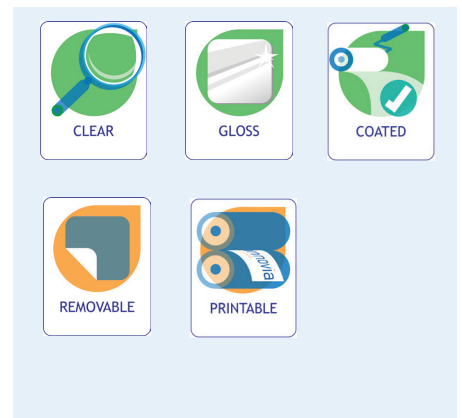
- Proprietary Print Coating
- Clear OPP Core
- Adhesive Receptive Coating

### Features

- Dedicated superior print receptive top coating for excellent printability
- Dedicated adhesive receptive coating for enhanced adhesive anchorage
- Excellent clarity for 'no-label look'
- 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

### Printability

**Rayoface™ ACPA** have 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	ACPA		
				40	52	60
Thickness	Innovia Films test		micron	40	52	60
			gauge	160	200	230
Yield	Innovia Films test		m <sup>2</sup> /kg in <sup>2</sup> /lb g/m <sup>2</sup>	27.8 19500 36.0	21.3 15000 47.0	18.4 13000 54.4
Optical: Gloss	ASTM D 2457	45°	%	90		
Haze (wide angle)	ASTM D 1003	2.5°		<3.0		
Tensile Strength	ASTM D 882	Strain rate 50%/min	MN/m <sup>2</sup> kpsi	MD TD	200 180	MD TD
					29.0 26.1	
Elongation at break	ASTM D 882	Strain rate 50%/min	%	MD TD	105 120	
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10%/min	MN/m <sup>2</sup> kpsi	MD TD MD TD	2400 2200 348 319	
Dimensional Stability	Innovia Films test	60 secs at 120°C (248°F) 60 secs at 130°C (266°F)	%	MD TD MD TD	3.0 Nil 7.0 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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### Conversion

The balanced biaxial orientation of Rayoface™ ACPA 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)
ACPA40	153	940	12300
ACPA52	153	940	12300
ACPA60	153	877	9300

Film	Core Size/(in)	Approx Outside Dia/(in)	Length/(feet)
ACPA160	6		
ACPA200	6	37.0	40500
ACPA230	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™ ACPA.

### 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™ ACPA 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™ ACPA 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™ ACPA. 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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