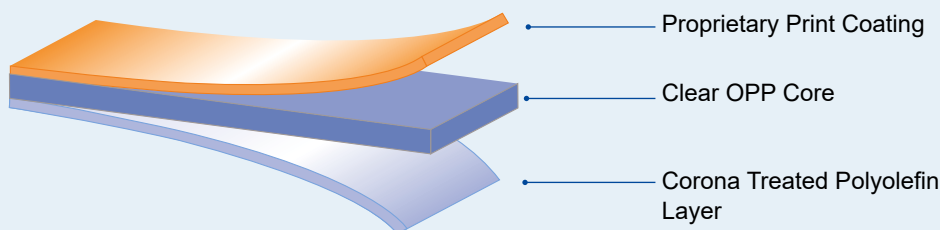


# Rayoface™ CA

## Technical Data Sheet

**CA** - Top Coated Clear, High Gloss Biaxially Oriented Polypropylene Film for Facestock Applications.

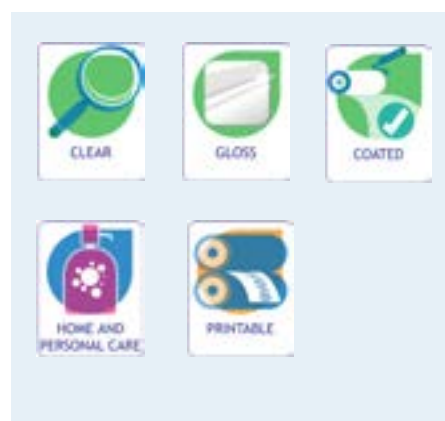


### Features

- Dedicated print receptive top coating for excellent printability
- Excellent clarity for 'no-label look'
- 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
- High gloss surface

### Printability

**Rayoface™ CA** has a proprietary aqueous top coating to give superior printability. Excellent for demanding applications where the label could be exposed to moisture and a range of temperatures. It can be printed by flexographic, gravure, silkscreen and letterpress processes using a wide variety of different inks. However, exact ink systems should be recommended by your supplier.



### Technical Properties (Typical Values)

| Property                         | Test Method        | Test Conditions          | Units               | CA    |       |
|----------------------------------|--------------------|--------------------------|---------------------|-------|-------|
| Thickness                        | Innovia Films test |                          | micron              | 51    | 59    |
|                                  |                    |                          | gauge               | 200   | 230   |
| Yield                            | Innovia Films test |                          | m <sup>2</sup> /kg  | 21.5  | 18.6  |
|                                  |                    |                          | in <sup>2</sup> /lb | 15100 | 13100 |
|                                  |                    |                          | g/m <sup>2</sup>    | 46.5  | 53.8  |
| Optical: Gloss Haze (wide angle) | Innovia Films test | 45°<br>2.5°              | %                   | 90    | <3.0  |
|                                  |                    |                          |                     |       |       |
| Tensile strength                 | ASTM D 882         | Strain rate 50%/min      | MN/m <sup>2</sup>   | MD    | 200   |
|                                  |                    |                          |                     | TD    | 180   |
|                                  |                    |                          | kpsi                | MD    | 29.0  |
|                                  |                    |                          |                     | TD    | 26.1  |
| Elongation at break              | ASTM D 882         | Strain rate 50%/min      | %                   | MD    | 105   |
|                                  |                    |                          |                     | TD    | 120   |
| Elasticity modulus (1% secant)   | ASTM D 882         | Strain rate 10%/min      | MN/m <sup>2</sup>   | MD    | 2400  |
|                                  |                    |                          |                     | TD    | 2200  |
|                                  |                    |                          | kpsi                | MD    | 348   |
|                                  |                    |                          |                     | TD    | 319   |
| 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    | 6.0   |
|                                  |                    |                          |                     | 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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### Conversion

The balanced biaxial orientation of Rayoface™ CA 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) |
|------|----------------|-------------------------|-----------------|
| CA51 | 153            | 812                     | 9300            |
| CA59 | 153            | 871<br>997              | 9300<br>12300   |

| Film  | Core Size/(in) | Approx Outside Dia/(in) | Length/(feet) |
|-------|----------------|-------------------------|---------------|
| CA200 | 6              | 31.9                    | 30500         |
| CA230 | 6              | 34.2                    | 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™ CA.

### 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 (115°F). The reels of Rayoface™ CA should be protected from high levels of moisture and accidental water splashes at all time. 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™ CA 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™ CA 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 Rayoface™ CA 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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