

Rayoface™ CL Data

Clear, High Gloss, Biaxially Oriented Polypropylene Film for Overlamination Applications

FEATURES

- High gloss surfaces
- Excellent clarity
- Outstanding moisture resistance
- No migratory additives
- Recyclable with polyolefin materials
- High stiffness for conversion
- Balanced biaxial orientation for superior die cutting

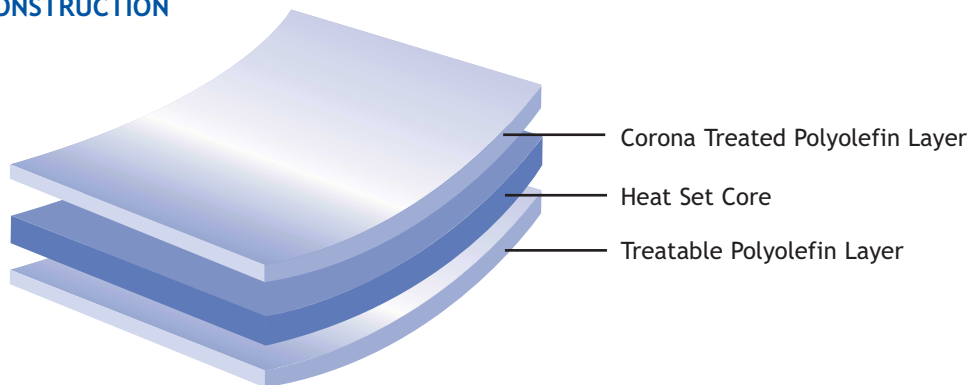
OVERLAMINATION

The corona treated surface of Rayoface CL is compatible with a wide range of lamination adhesives, however, exact adhesive systems should be recommended by your supplier.

CONVERSION

The balanced biaxial orientation of Rayoface CL results in excellent die cutting performance, enhancing label edge appearance and prolonging die life.

CONSTRUCTION



STANDARD REEL SPECIFICATIONS

| Film | Core Size / (mm) | Approx Outside Dia / (mm) | Length / (metres) |
|------|------------------|---------------------------|-------------------|
| CL15 | 77 | 330 | 5000 |
| | 153 | 785 | 30000 |
| CL20 | 77 | 330 | 3800 |
| | 153 | 785 | 22800 |
| CL30 | 77 | 330 | 2500 |
| | 153 | 785 | 15000 |

Alternative reel lengths are available subject to negotiation.

Corona treatment is available on either the inner or outer surface of Rayoface CL.

Rayoface™ CL _____ Data

Technical Properties (Typical Values)

Physical Data

| Property | Test Method | Test Conditions | Units | CL | | |
|-------------------|--------------------|-----------------|--|--------------|--------------|--------------|
| Thickness | Innovia Films test | | micron | 15 | 20 | 30 |
| Yield | Innovia Films test | | m ² /kg g/m ² | 73.0 13.7 | 54.9 18.2 | 36.6 27.3 |
| Optical: Gloss | ASTM D 2457 | 45° | % | >75 | | |
| Haze (wide angle) | ASTM D 1003 | 2.5° | | | | |

Mechanical Data

| | | | | | |
|-----------------------------------|------------|---------------------|-------------------|----------|--------------|
| Tensile strength | ASTM D 882 | Strain rate 50%/min | MN/m ² | MD TD | 210 170 |
| Elongation at break | ASTM D 882 | Strain rate 50%/min | % | MD TD | 80 110 |
| Elasticity modulus (1% secant) | ASTM D 882 | Strain rate 10%/min | MN/m ² | MD TD | 2500 2200 |

Thermal Data

| | | | | | |
|-----------------------|--------------------|------------------|---|----------|------------|
| Dimensional stability | Innovia Films test | 60 secs at 120°C | % | MD TD | 3.0 Nil |
| | | 60 secs at 130°C | | MD TD | 6.0 1.0 |

All properties are tested under standard laboratory conditions: 23 ±2°C; 50 ±5% RH, unless otherwise stated.
MD Machine direction TD Transverse direction

Film Storage and Handling

For the storage of Rayoface CL it is recommended that dry conditions at temperatures below 30°C are employed to minimise any deterioration of surface discharge treatment level.

Rayoface CL 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.

Please refer to literature reference L110 - 1 of 2.

Food Contact

Rayoface CL is suitable for most applications involving direct contact with foodstuffs. For specific enquiries, please refer to literature reference L110 - 2 of 2.

Health and Safety Guidelines

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



CERTIFICATE NUMBER Q929

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