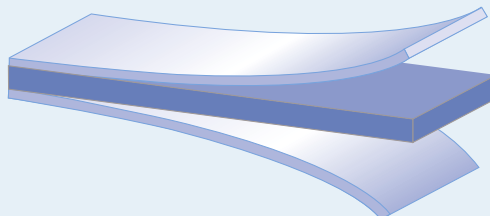


RayoWrap™ CMS

Technical Data Sheet

CMS - Clear, Biaxially Oriented Polypropylene Film for shrink wrap around labels.



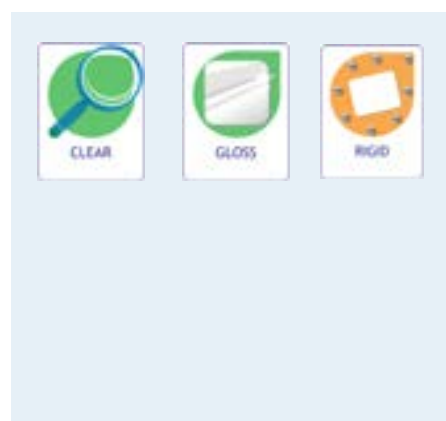
- Corona Treated Polyolefin Layer
- Clear OPP Core
- Treatable Polyolefin Layer

Features

- MD shrink properties
- Corona treated print surface
- High gloss surface
- Excellent clarity for 'no-label look'
- Recyclable with polyolefin materials
- Balanced biaxial orientation for superior cutting

Printability

RayoWrap™ CMS can be printed by traditional flexographic and gravure processes. However, exact ink systems should be recommended by your supplier. Additional in-line corona treatment is recommended for optimum performance.



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units		CMS
Thickness	Innovia Films test		micron		30
Yield	Innovia Films test		m ² /kg g/m ²		36.6 27.3
Tensile Strength	ASTM D 882	Strain rate 50%/min	MN/m ²	MD TD	200 180
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 ²	MD TD	3000 3000
Dimensional stability	Innovia Films test	60 secs at 130°C	%	MD TD	6.0 1.0

MD Machine Direction TD Transverse Direction

All properties are tested under standard laboratory conditions: 23 ± 2°C, 50 ± 5% RH unless otherwise stated.

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use our imagination...

RayoWrap™ CMS

Technical Data Sheet

Conversion

RayoWrap™ CMS offers enhanced press stability and roll-fed labelling performance. High MD shrink and low TD shrink will offer tight labels to container profile.

Reel Specifications

Nominal Reel Diameters

Film	Core Size/(mm)	Approx Outside Dia/(mm)	Length/(metres)
CMS/30	153	871	18300

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

The print coating is available on either the inner or outer surface of RayoWrap™ CMS.

Film Winding

The printable treated surface is available on either the inner or outer surface of RayoWrap™ CMS. The treated surface is indicated by a symbol on a label attached to each reel.

Treated Surface	Ordering Code	Label Symbol
Inside	I	
Outside	O	

*For printing application consult an Innovia Films Technical Representative.

Film Storage and Handling

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

RayoWrap™ CMS complies with the applicable EU & US legislation for most applications involving direct contact with foods. Full details are given on the Declaration of Compliance. Customers intending to use RayoWrap™ CMS 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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