

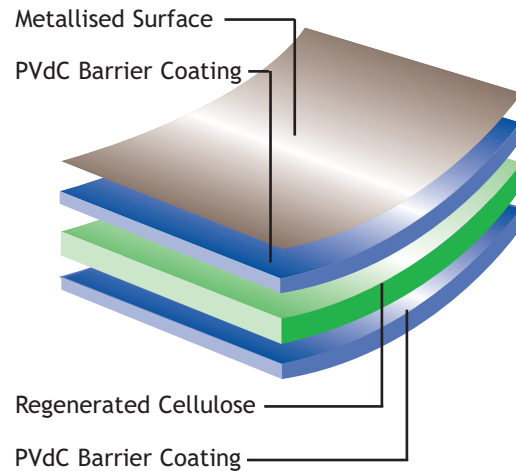
Cellophane™ Rayo-M

Data

Features - Metallised Film

Regenerated cellulose film (RCF), coated on both sides with a polyvinylidene chloride (PVdC) copolymer by a solvent process and metallised on one side.

- Non metallised face is heat sealable
- Suitable for converter applied cold-seal
- Compatible with Cellophane XS for the manufacture of laminate structures
- Excellent barrier to water vapour, gases and aromas
- Enhanced barrier to UV/visible light transmission
- Excellent metal adhesion
- Resistant to oils and greases
- Brilliant lustre enhances print definition
- Good stability of metallised surface for ink adhesion
- Excellent dead-fold characteristics
- Biodegradable base film



Applications

340 Rayo-M Generally used in the confectionery industry for twist and bunch wrapping on high-speed machinery. Suitable for use in laminate structures for

the packaging of snacks, biscuits and confectionery. Ideally suited to decorative embossing and security packaging.

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	Rayo-M 340
Thickness	Innovia Films test		micron	23.6
Yield	Innovia Films test		m ² /kg g/m ²	29.4 34.0
Permeability to: Water vapour	ASTM E 96	38 °C 90% RH	g/m ² .24 hrs	5
Oxygen	ASTM F 1927	23 °C 0-5% RH	cc/m ² .24 hrs. bar	1
Optical: Optical density	Innovia Films test			2.5
Coefficient of friction (film to film)	ASTM D 1894	Static: Metallised surface Non-metallised surface Dynamic: Metallised surface Non-metallised surface		0.50 0.30 0.45 0.30
Tensile strength	ASTM D 882		MN/m ² MD TD	125 70
Elongation at break	ASTM D 882		% MD TD	22 70
Elasticity modulus (1% secant)	ASTM D 882		MN/m ² MD TD	>3000 >1500
Sealing range	Innovia Films test	0.5 secs; 69 kN/m ²	°C	110-160
Seal strength	Innovia Films test	135 °C; 0.5 secs; 69 kN/m ²	g(f)/38mm	190

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

MD Machine Direction TD Transverse Direction

Cellophane™ Rayo-M Data

Reel Specifications

Nominal Reel Diameters

Film	Length/(metres)			
	1600	3200	6400	9600
340 Rayo-M	1600	3200	6400	9600
Outside Diameter for 77mm Core	240mm	330mm	450mm	ns
Outside Diameter for 153mm Core	ns	355mm	475mm	570mm

ns = non-standard

Other reel lengths are available subject to negotiation.

'Rayo-M' is available with the metallised surface wound facing the outside of the reel. The metallised surface is identified by the code:

O - for outside

Sheets

We can provide sheets to a range of sizes and shapes upon request.

Film Storage

To maintain the high quality of this product during storage it is recommended that Rayo-M should be stored in its original wrapping away from any source of local heating or direct sunlight.

Recommended conditions of storage are:

Temperature: 17-23° C

Relative Humidity: 35-55%

Rayo-M should be converted within 4 months from the date of delivery and stocks should be used in rotation according to date of delivery.

Films should be allowed to reach operating room temperatures for 24 hours before use.

Food Contact

The non-metallised surface of Cellophane Rayo-M is suitable for most applications involving direct contact with foodstuffs. The metallised surface should not come into direct contact with foodstuffs. For specific enquiries, please refer to literature reference A120 or contact our Technical Services Department.

Health & Safety Guidelines

For Health and Safety information, please refer to literature reference A190.



www.innoviafilms.com
 email: filmsinfo@innoviafilms.com
 ™Trademark of Innovia Films Group

Sales Offices

Europe (UK)	Tel +44 (0)16973 42281
Americas (USA)	Tel +1 877 822 3456
Asia-Pacific (Aus)	Tel +61 3 9303 0600

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.