

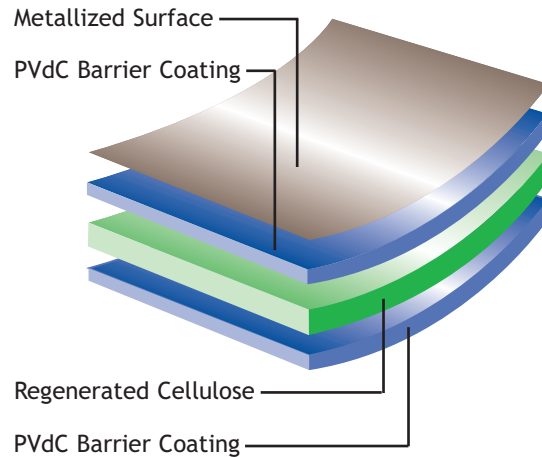
Cellophane Rayo-M

Data

Features - Metallized Copolymer Coated Cellulose Films

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

- Non-metallized surface heat-sealable
- Suitable for converter applied cold-seal
- Compatible with Cellophane K/XS films for the manufacture of laminate structures
- Excellent barrier to water vapor, gases and aromas
- Enhanced barrier to UV/visible light transmission
- Excellent metal adhesion
- Resistant to oils and greases
- Brilliant sheen enhances print definition
- Good stability of metallized 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, cookies 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		mil	0.93
Yield	Innovia Films test		in ² /lb	20700
Permeability to: Water vapor	ASTM E96	100 °F 90% RH	g/100in ² . 24 hrs	0.32
Oxygen	ASTM F 1927	75 °F 0-5% RH	cc/100in ² . 24 hrs.bar	0.065
Optical: Optical density				2.5
Coefficient of friction (film to film)	ASTM D 1894	Static: Metallized surface Non-metallized surface		0.50 0.30
		Dynamic: Metallized surface Non-metallized surface		0.45 0.30
Tensile strength	ASTM D 882		kpsi MD TD	18 10
Elongation at break	ASTM D 882		% MD TD	22 70
Elasticity modulus (1% secant)	ASTM D 882		kpsi MD TD	>290 >145
Sealing range	Innovia Films test	0.5 secs; 10 psi	°F	230-320
Seal strength	Innovia Films test	275 °F; 0.5 secs; 10 psi	g(f)/1 1/2 in	190

All properties are tested under standard laboratory conditions: 75°F; 50± 5% RH, unless otherwise stated.

MD Machine Direction TD Transverse Direction

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Roll Specifications

Nominal Roll Diameters

Film	Length/(feet)			
	5300	10600	21200	31800
340 Rayo-M	5300	10600	21200	31800
Outside Diameter for 3in Core	9½in	13in	18in	ns
Outside Diameter for 6in Core	ns	14in	18¾in	22½in

ns = non-standard

Other roll lengths are available subject to negotiation.

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

O - for outside

Sheets

Innovia Films 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: 60-75° F

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-metallized surface of Rayo-M is suitable for most applications involving direct contact with foodstuffs. The metallized surface should not come into direct contact with foodstuffs. Cellophane PVdC copolymer coated films are manufactured to meet current food contact regulations relating to regenerated cellulose films, including FDA regulation 21 CFR 177.1200. For specific inquiries, 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.



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