

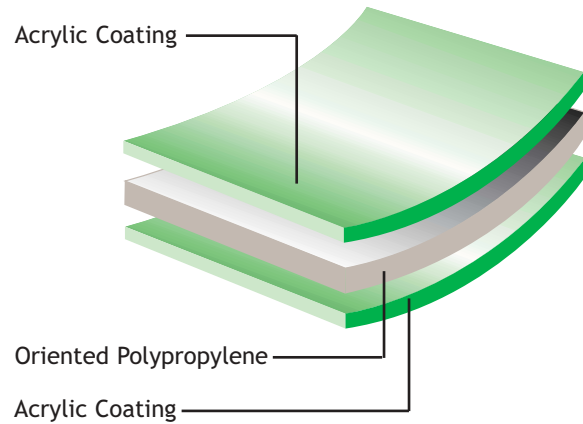
Propafilm™ RC

Data

Acrylic Coated Film

Biaxially oriented polypropylene (BOPP) film coated on both sides with an aqueous acrylic (chlorine free) dispersion.

- Heat-sealable on both sides, with excellent hot tack
- Excellent barrier to water vapour, flavours and aromas
- Low sealing threshold and broad sealing range
- Both sides of the film are receptive to inks, adhesives and tear-tapes
- Anti-static
- Superior optical properties
- Puncture and impact-resistance properties are maintained even at low temperatures



Applications

RC20 is suitable for use in single web applications or laminations to itself in both plain and printed forms on high-speed overwrapping and form-fill-seal machinery.

RC25/30 are suitable for use as a direct product overwrap or carton overwrap in the biscuit, bakery and confectionery industries, where aroma barrier and optimum product presentation are required.

RC35/40 are suitable for transwrap bag applications in the confectionery industry where good hot-tack properties are required.

RC52/60 are suitable for heavy duty applications where the films' excellent hot-tack and seal threshold can give superior machine performance over alternative structures.

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	RC						
				20	25	30	35	40	52	60
Thickness	Innovia Films test		micron	20	25	30	35	40	52	60
Yield	Innovia Films test		m ² /kg g/m ²	54.6 18.3	43.8 22.8	36.5 27.4	31.4 31.9	27.5 36.4	21.0 47.6	18.3 54.5
Permeability to: Water vapour	ASTM F 1770	23°C 85% RH 38°C 90% RH	g/m ² .24 hrs	1.2	1.0	0.8	0.7	0.6	0.5	0.5
Oxygen				6.5	5.5	5.0	4.5	4.0	3.5	3.0
	ASTM F 1927	23°C 85% RH 25°C 0% RH	cc/m ² .24 hrs	850 950	750 850	650 750	550 650	525 625	500 600	450 550
Optical: Gloss	ASTM D 2457	45°	units	95						
Haze (wide angle)	ASTM D 1003	2.5°	%	1.0-2.0						
Coefficient of friction (film to film)	ASTM D 1894	Static / Dynamic		0.20-0.30 0.20-0.30						
Sealing range	Innovia Films test	2 secs; 0.10 MN/m ²	°C	85-145						
Seal strength	Innovia Films test	130°C; 2 secs; 0.10 MN/m ²	g(f)/25mm	>400						
Shrinkage	Innovia Films test	60 secs at 120°C	%	2.0						
			MD	Nil						
		60 secs at 130°C	MD	7.0						
			TD	1.0						

All properties are tested under standard laboratory conditions: 23± 2°C; 50±5% RH, unless otherwise stated. Where relevant, tests are based on international testing standards.

MD Machine Direction TD Transverse Direction

Reel Specifications

Nominal Reel Diameters

Film	Length/(metres)					
	RC20	1900	3800	7600	11400	15200
RC25	1500	3000	6000	9000	12000	18000
RC30	1250	2500	5000	7500	10000	15000
RC35	1100	2200	4400	6600	8800	13200
RC40	950	1900	3800	5700	7600	11400
RC52	725	1450	2900	4350	5800	8700
RC60	625	1250	2500	3750	5000	7500
Outside Diameter for 77mm Core	240mm	330mm	450mm	ns	ns	ns
Outside Diameter for 153mm Core	ns	ns	475mm	570mm	650mm	785mm

ns = non-standard

Other reel lengths are available subject to negotiation.

Film Storage & Handling

The low heat-seal threshold and wide seal range of Propafilm RC film allows its use in particularly demanding packaging machine applications. Care should therefore be taken to protect reels of film from storage temperatures above 30°C and localised sources of heat above 45°C.

Reels of Propafilm RC should be protected from high levels of moisture and accidental water splashes at all times. The reels should remain in the protective coverings supplied until ready for use on converting or packaging machinery.

Converted reels, in both master and slit reel form should be similarly protected at all times.

Propafilm RC 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

Propafilm RC is suitable for most applications involving direct contact with foodstuffs. For specific enquiries, please refer to literature reference B120 or contact our Technical Services Department.

Health & Safety Guidelines

For Health and Safety information, please refer to literature reference B190.



www.innoviafilms.com
 email: filmsinfo@innoviafilms.com
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Sales Offices

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

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