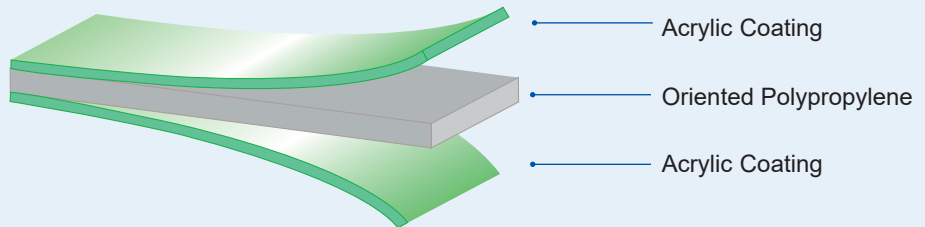


Propafilm™ RC



Technical Data Sheet

RC - Acrylic Coated Film - Biaxially oriented polypropylene (BOPP) film coated on both sides with an aqueous acrylic (chlorine free) dispersion.



Features

- 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
- Superior optical properties
- Puncture and impact-resistance properties are maintained even at low temperatures.

Applications

RC20(80) is suitable for use in single web or lamination applications on overwrapping and form-fill-seal machinery.

RC25/30 (100/120) are suitable for use in overwrap or HFFS applications for market areas where aroma barrier and presentation are key.

RC35/40 (140/160) are suitable for VFFS applications where good hot-tack is required.

RC52/60 (200/240) are suitable for heavy duty applications where the low seal threshold can give superior machine performance.

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	
			gauge	80	100	120	140	160	200	240	
Yield	Innovia Films test		m ² /kg	54.6	43.8	36.5	31.3	27.4	21.1	18.3	
			in ² /lb	38400	30800	25700	22100	19350	14800	12900	
Permeability to: Water vapour	ASTM F 1249	38°C 90% RH 100°F 90% RH	g/m ² .24 hrs	6.5	5.5	5.0	4.5	4.0	3.5	3.0	
			g/100in ² . 24 hrs	0.42	0.39	0.35	0.29	0.26	0.20	0.19	
Oxygen	ASTM F 1927	23°C 0% RH 73°F 0% RH	cc/m ² .24 hrs	950	850	750	650	625	600	550	
			cc/100in ² . 24 hrs	61.29	54.84	48.39	41.94	40.32	38.71	35.48	
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; 0.10MN/m ² 2 secs; 15 psi	°C	85-145							
			°F	185-295							
Seal strength	Innovia Films test	130°C; 2 secs; 0.10MN/m ² 265°F; 2 secs; 15 psi	g(f)/25mm/ in	>400							
Shrinkage	Innovia Films test	60 secs at 130°C (265°F)	%	7.0							
			MD TD	1.0							

MD Machine Direction TD Transverse Direction
All properties are tested under standard laboratory conditions: 23 ± 2°C, 50 ± 5% RH.(73 ± 4F, 50 ± 5% RH), unless otherwise stated. Where relevant, tests are based on international testing standards.

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Reel Specifications

Nominal Reel Diameters

Film	Single Length (metres)	12x Length (metres)
RC20	1900	22800
RC25	1500	18000
RC30	1250	15000
RC35	1100	13200
RC40	950	11400
RC52	725	8700
RC60	625	7500

Film	Single Length (feet)	12x Length (feet)
RC80	6250	74800
RC100	4900	59050
RC120	4100	49200
RC140	3600	43300
RC160	3100	37400
RC200	2500	30000
RC240	2050	24600

Other reel lengths are available in multiples of the single length as per the core diameter listed below.

Outside Diameter	1x	2x	4x	6x	8x	12x
For 77mm / 3in core	240mm 9½in	330mm 13in	450mm 18in	-	-	-
For 153mm / 6in core	-	-	475mm 18¾in	570mm 22½in	650mm 25½in	785mm 31in

Film Storage and 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 (85°F) and localised sources of heat above 45°C (115°F). 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 complies with the applicable EU and US legislation for most applications involving direct contact with foods. Full details are given on the Declaration of Compliance. Customers intending to use Propafilm™ RC 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 B190.

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Regional Offices:

Europe (UK) Tel +44 16973 42281

Americas (USA) Tel +1 800 424 6273

Asia-Pacific (Aus) Tel +61 3 9303 0600

www.innoviafilms.com

email: packaging@innoviafilms.com

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