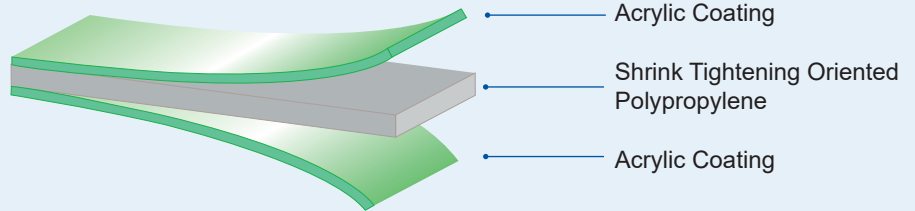


# Propafilm™ RC (Tobacco)

## 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

RC are suitable for use in the tobacco industry as a clear/naked collation film to overwrap bundles of individual cigarette packs.

The special acrylic coatings do not heat-seal to coextruded OPP films normally used for the inner packs.



### Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	RC			
				20	25	30	40
Thickness	Innovia Films test		micron	20	25	30	40
			gauge	80	100	120	160
Yield	Innovia Films test		m <sup>2</sup> /kg	54.6	43.8	36.5	27.4
			in <sup>2</sup> /lb	38400	30800	25700	19350
			g/m <sup>2</sup>	18.3	22.8	27.4	36.5
Permeability to: Water vapour	ASTM F 1249	38°C 90% RH 100°F 90% RH	g/m <sup>2</sup> .24 hrs	6.5	5.5	5.0	4.0
			g/100in <sup>2</sup> . 24 hrs	0.42	0.35	0.32	0.26
Oxygen	ASTM F 1927	23°C 0% RH 77°F 0% RH	cc/m <sup>2</sup> .24 hrs	950	850	750	625
			cc/100in <sup>2</sup> . 24 hrs	61	55	48	40
Optical: Gloss	ASTM D 2457	20°	units	95			
Haze (wide angle)	ASTM D 1003	2.5°	%	1.0-2.0			
Coefficient of friction (out to out)	ASTM D 1894	Static/ Dynamic		0.20-0.30			
				0.20-0.30			
Sealing range	Innovia Films test	2 secs; 0.10MN/m <sup>2</sup> 2 secs; 15 psi	°C	85-145			
			°F	185-295			
Seal strength	Innovia Films test	109°C; 2 secs; 0.10MN/m <sup>2</sup> 225°F; 2 secs; 15 psi	g(f)/25mm/ in	>400			
Shrinkage	Innovia Films test	60 secs at 120°C (250°F) 60 secs at 130°C (265°F)	% MD	2.0			
			% TD	NIL			
			% MD	7.0			
			% 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	2x Length (metres)	12x Length (metres)
RC20	3800	22800
RC25	3000	18000
RC30	2500	15000
RC40	1900	11400

Film	2x Length (feet)	12x Length (feet)
RC80	12467	74803
RC100	9843	59055
RC120	8202	49212
RC160	6233	37400

Other reel lengths are available subject to negotiation.

Outside Diameter	2x	4x	6x	8x	12x
For 77mm / 3in core	330mm 13in	450mm 18¼in	-	-	-
For 153mm / 6in core	-	475mm 19in	570mm 22¾in	650mm 26in	785mm 32in

### 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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