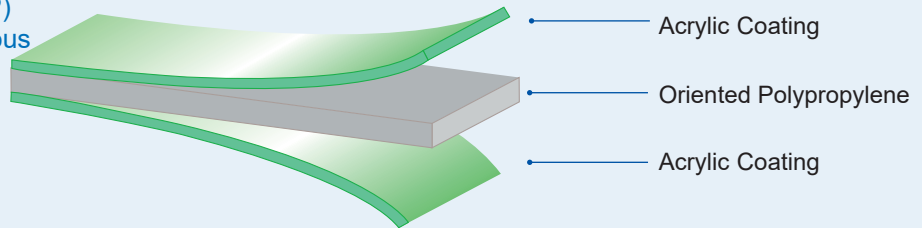


# Propafilm™ RCU



## Technical Data Sheet

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



### Features

- Shown to significantly reduce the migration of mineral oils\*, compared to standard coextruded OPP
- Excellent barrier to water vapour, flavours and aromas
- Heat-sealable on both sides, with excellent hot tack
- Low sealing threshold and broad sealing range
- Superior optical properties
- Puncture and impact-resistance properties are maintained even at low temperatures.
- Both sides of the film are receptive to inks, adhesives and tear-tapes

### Applications

**RCU25/30/35/40** are designed for VFFS, HFFS and overwrap formats where optimum product presentation is required. The films' barrier properties make them particularly suitable for bag in box applications, such as: biscuits, cereals, confectionery and dried foods.

**RCU52/60** 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	RCU					
Thickness	Innovia Films test		micron	25	30	35	40	52	60
			gauge	100	120	140	160	200	240
Yield	Innovia Films test		m <sup>2</sup> /kg	43.0	36.0	31.0	27.2	20.9	18.1
			in <sup>2</sup> /lb	30200	25300	21800	19100	14700	12700
			g/m <sup>2</sup>	23.3	27.8	32.3	36.8	47.9	55.2
Permeability to: Water vapour	ASTM F 1249	38°C 90% RH 100°F 90% RH	g/m <sup>2</sup> .24 hrs	5.5	5.0	4.5	4.0	3.5	3.0
			g/100in <sup>2</sup> . 24 hrs	0.35	0.32	0.29	0.26	0.23	0.19
Oxygen	ASTM F 1927	23°C 0% RH 73°F 0% RH	cc/m <sup>2</sup> .24 hrs	850	750	650	625	600	550
			cc/100in <sup>2</sup> . 24 hrs	55	48	42	40	39	35
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 <sup>2</sup> 2 secs; 15 psi	°C	85-145					
			°F	185-295					
Seal strength	Innovia Films test	130°C; 2 secs; 0.10MN/m <sup>2</sup> 265°F; 2 secs; 15 psi	g(f)/25mm/ in	>400					
Shrinkage	Innovia Films test	60 secs at 120°C (248°F) 60 secs at 130°C (266°F)	%	2.0					
			MD	Nil					
			TD	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.

Ref B450 - 1 of 2 - 0619

# Propafilm™ RCU

## Technical Data Sheet

### Reel Specifications

#### Nominal Reel Diameters

Film	Single Length (metres)	12x Length (metres)
RCU25	1500	18000
RCU30	1250	15000
RCU35	1100	13200
RCU40	950	11400
RCU52	725	8700
RCU60	625	7500

Film	Single Length (feet)	12x Length (feet)
RCU100	4900	58800
RCU120	4100	49200
RCU140	3600	43200
RCU160	3100	37200
RCU200	2400	28800
RCU240	2000	24000

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™ RCU 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™ RCU 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™ RCU 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™ RCU 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™ RCU 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.

**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.

Ref B450 - 2 of 2 - 0619

#### 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](http://www.innoviafilms.com)

email: [packaging@innoviafilms.com](mailto:packaging@innoviafilms.com)

™ Trademark of Innovia Films

