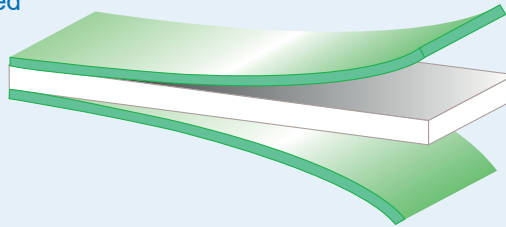


Propafilm™ RBCU



Technical Data Sheet

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



- Acrylic Coating
- White Pigmented Oriented Polypropylene
- Acrylic Coating

Features

- Shown to significantly reduce the migration of mineral oils*, compared to standard coextruded OPP
- Excellent barrier to water vapour, gases and aromas
- Heat-sealable on both sides, with excellent hot tack
- Low sealing threshold and broad sealing range
- High gloss surface on both sides
- Low UV/visible light transmission giving improved protection against rancidity
- 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

RBCU30(120)/52(200) are designed for VFFS, HFFS and overwrap formats. The films barrier properties make them particularly suitable for bag in box applications such as: biscuits, cereals, confectionery and dried foods.

** Reference - Mineral Oil Barrier Testing of Cellulose-Based and Polypropylene-Based Films, G O'Connor, N Hudson and S Buckley, Packaging Technology and Science, DOI:10.1002/pts.2082, Copyright© (2014), John Wiley & Sons Ltd. Published online in Wiley Online Library (onlinelibrary.wiley.com).*

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	RBCU	
Thickness	Innovia Films test		micron	30	52
			gauge	120	200
Yield	Innovia Films test		m ² /kg	33.5	19.4
			in ² /lb	23550	13600
			g/m ²	29.9	51.4
Permeability to: Water vapour	ASTM F 1249	38°C 90% RH 100°F 90% RH	g/m ² .24 hrs	5.0	4.0
			g/100in ² . 24 hrs	0.32	0.26
Oxygen	ASTM F 1927	23°C 0% RH 73°F 0% RH	cc/m ² .24 hrs	850	600
			cc/100in ² . 24 hrs	55	39
Optical: Gloss	ASTM D 2457	45°	units	62	80
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 °F	85-145 185-295	
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 120°C (248°F)	%	MD	4.0
				TD	Nil
		60 secs at 130°C (266°F)	%	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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use our imagination...

Propafilm™ RBCU

Technical Data Sheet

Reel Specifications

Nominal Reel Diameters

Film	Single Length (metres)	12x Length (metres)
RBCU30	1250	15000
RBCU52	725	8700

Film	Single Length (feet)	12x Length (feet)
RBCU120	4100	49200
RBCU200	2400	28800

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™ RBCU 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™ RBCU 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™ RBCU 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™ RBCU 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™ RBCU 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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