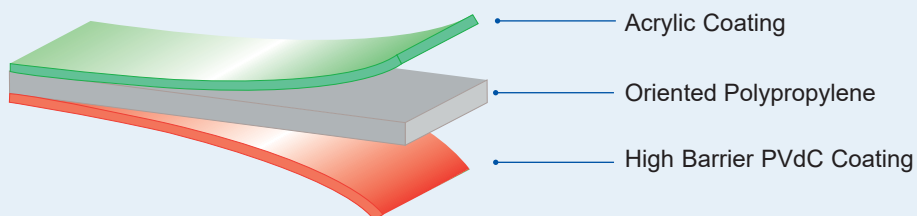


Propafilm™ RDU

Technical Data Sheet

RDU - High Barrier Differentially Coated Film - Biaxially oriented polypropylene (BOPP) film coated on one side with a high barrier aqueous dispersion of polyvinylidene chloride (PVdC) copolymer, the other side is coated with an aqueous acrylic dispersion..



Features

- Very high gas barrier
- Excellent barrier to water vapour and aromas
- Heat-sealable on both sides. (A/A, P/P and A/P)
- Both sides of the film are receptive to inks, adhesives and tear tapes
- Puncture and impact-resistance properties are maintained even at low temperatures

Applications

RDU21(85)/26(100) are suitable for use as a single film or in laminate structures for overwrapping and form-fill-seal packaging especially in the bakery, biscuit and confectionery industries.

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	RDU	
Thickness	Innovia Films test		micron	21	26
			gauge	85	100
Yield	Innovia Films test		m ² /kg	49.6	40.5
			in ² /lb	34900	28450
			g/m ²	20.2	24.7
Permeability to: Water vapour	ASTM F 1249	38°C 90% RH 100°F 90% RH	g/m ² .24 hrs	4.0	3.6
			g/100in ² . 24 hrs	0.26	0.23
Oxygen	ASTM F 1927	23°C 0% RH 73°F 0% RH	cc/m ² .24 hrs	6	6
			cc/100in ² . 24 hrs	0.40	0.40
Optical: Gloss	ASTM D 2457	45°	units	100	
Haze (wide angle)	ASTM D 1003	2.5°	%	2-3	
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 120°C (248°F) 60 secs at 130°C (266°F)	%	MD	4.0
				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	Single Length (metres)	12x Length (metres)
RDU21	1825	21900
RDU100	1475	17700
Film	Single Length (feet)	12x Length (feet)
RDU85	6250	74800
RDU100	4675	56100

Other reel lengths are available subject to negotiation.

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

Acrylic Coated Surface

The acrylic coated surface is available on either the inner or outer surface of Propafilm™ RDU. The acrylic surface is indicated by a symbol on a label attached to each reel.

Treated Surface	Ordering Code	Label Symbol
Inside	I	
Outside	O	

Film Storage and Handling

Care should be taken to protect reels of film from storage temperatures above 30°C (85°F) and localised sources of heat above 45°C (113°F). Reels of Propafilm™ RDU 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™ RDU 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™ RDU 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™ RDU 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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