

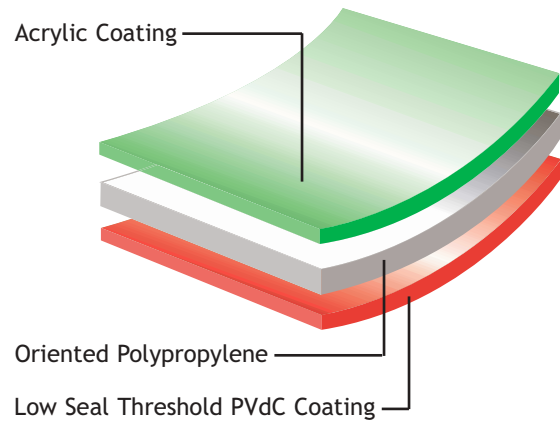
# Propafilm™ RD

Data

## Differentially Barrier Coated Film

Biaxially oriented polypropylene (BOPP) film coated on one side with an aqueous dispersion of polyvinylidene chloride (PVdC) copolymer, the other side is coated with an aqueous acrylic dispersion.

- Excellent barrier to water vapour, gases 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

RD21/26 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.

RD32/36/41 are recommended for use in plain and printed form for overwrapping and for medium to large packs on form-fill-seal machines.

## Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	RD				
				21	26	32	36	41
Thickness	Innovia Films test		micron	21	26	32	36	41
Yield	Innovia Films test		m <sup>2</sup> /kg g/m <sup>2</sup>	51.0 19.6	41.4 24.1	34.9 28.7	30.1 33.2	26.5 37.7
Permeability to: Water vapour	ASTM F 1770	23 °C 85% RH 38 °C 90% RH	g/m <sup>2</sup> .24 hrs	1.2 5.5	1.0 5.0	0.8 4.0	0.7 3.5	0.6 3.2
Oxygen	ASTM F 1927	23 °C 85% RH 25 °C 0% RH	cc/m <sup>2</sup> .24 hrs	30 29				
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 A/P Dynamic A/P		0.20-0.30 0.20-0.30				
Sealing range	Innovia Films test	2 secs; 0.10 MN/m <sup>2</sup> A/A P/P	°C	85-145 105-145				
Seal strength	Innovia Films test	130 °C; 2 secs; 0.10 MN/m <sup>2</sup> A/A P/P	g(f)/25mm	>400 >400				
Shrinkage	Innovia Films test	60 secs at 120 °C	% MD TD	4.0 Nil				
		60 secs at 130 °C	MD TD	7.0 1.0				

All properties are tested under standard laboratory conditions: 23± 2°C; 50± 5% RH, unless otherwise stated. Where relevant, tests are based on international testing standards.

MD Machine Direction

TD Transverse Direction

A Acrylic Surface

P PVdC Surface

## Reel Specifications

### Nominal Reel Diameters

Film	Length/(metres)					
	RD21	1900	3800	7600	11400	15200
RD26	1425	2850	5700	8550	11400	17100
RD32	1200	2400	4800	7200	9600	14400
RD36	1000	2000	4000	6000	8000	12000
RD41	900	1800	3600	5400	7200	10800
Outside Diameter for 77mm Core	240mm	330mm	450mm	ns	ns	ns
Outside Diameter for 153mm Core	ns	ns	475mm	570mm	650mm	785mm



ns = non-standard

Other reel lengths are available subject to negotiation.

### Acrylic Coated Surface

The acrylic coated surface is available on either the inner or outer surface of Propafilm RD.

The acrylic surface is indicated by a symbol on a label attached to each reel.

Acrylic Surface	Ordering Code	Label Symbol
Inside	I	
Outside	O	

## Film Storage & Handling

The low heat-seal threshold and wide seal range of Propafilm RD 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 and localised sources of heat above 45°C.

Reels of Propafilm RD 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 RD 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 RD is suitable for most applications involving direct contact with foodstuffs. For specific enquiries, please refer to literature reference B120 or contact our Technical Services Department.

## Health & Safety Guidelines

For Health and Safety information, please refer to literature reference B190.



CERTIFICATE NUMBER Q929

[www.innoviafilms.com](http://www.innoviafilms.com)  
 email: [filmsinfo@innoviafilms.com](mailto:filmsinfo@innoviafilms.com)

™Trademark of Innovia Films Group

## Sales Offices

Europe (UK)	Tel +44 (0)16973 42281
Americas (USA)	Tel +1 877 822 3456
Asia-Pacific (Aus)	Tel +61 3 9303 0600

**Disclaimer:** Innovia Films Ltd 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.