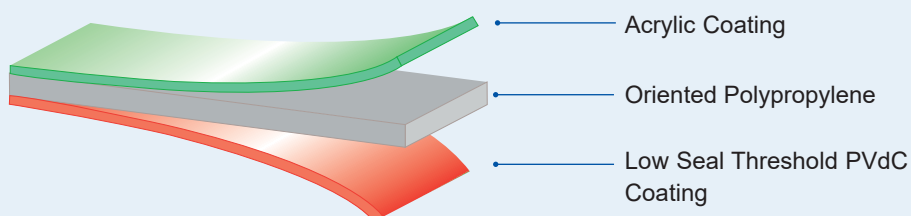


# Propafilm™ RD

## Technical Data Sheet

**RD - Barrier Differentially 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.



### Features

- 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

**RD26(100)** is 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(125)/36(140)/41(160)/53(210)** 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				
				26	32	36	41	53
Thickness	Innovia Films test		micron	26	32	36	41	53
			gauge	100	125	140	160	210
Yield	Innovia Films test		m <sup>2</sup> /kg	41.4	34.9	30.1	26.5	20.6
			in <sup>2</sup> /lb	29100	24550	21150	18650	14510
			g/m <sup>2</sup>	24.1	28.7	33.2	37.7	48.5
Permeability to: Water vapour	ASTM F 1249	38°C 90% RH 100°F 90% RH	g/m <sup>2</sup> .24 hrs	5.0	4.0	3.5	3.2	2.3
			g/100in <sup>2</sup> . 24 hrs	0.32	0.26	0.23	0.21	0.15
Oxygen	ASTM F 1927	23°C 0% RH 73°F 0% RH	cc/m <sup>2</sup> .24 hrs cc/100in <sup>2</sup> . 24 hrs	29 1.87	29 1.87	29 1.87	29 1.87	29 1.87
Optical: Gloss	ASTM D 2457	45°	units	100				
Haze (wide angle)	ASTM D 1003	2.5°	%	2.5				
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 °F	85-145 185-295				
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 (250°F) 60 secs at 130°C (265°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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## Technical Data Sheet

### Reel Specifications

#### Nominal Reel Diameters

Film	Single Length (metres)	12x Length (metres)
RD26	1450	17400
RD32	1200	14400
RD36	1100	13200
RD41	900	10800
RD53	725	8700
Film	Single Length (feet)	12x Length (feet)
RD100	4675	56100
RD125	3950	47250
RD140	3300	39400
RD160	2950	35450
RD210	2310	27720

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

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.

Treated Surface	Ordering Code	Label Symbol
Inside	I	
Outside	O	

### Film Storage and 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 (85°F) and localised sources of heat above 45°C (113°F). 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 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™ RD 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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