

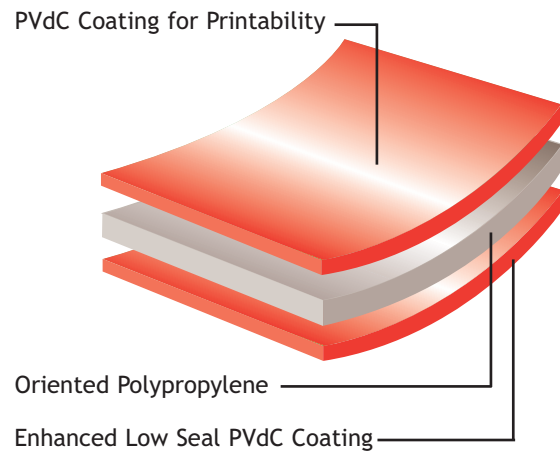
# Propafilm™ RHX

Data

## Heavy Duty Barrier Coated Film

Biaxially oriented polypropylene (BOPP) film coated on both sides with an aqueous dispersion of polyvinylidene chloride (PVdC) copolymer.

- Differentially PVdC coated to optimise superb printability with excellent sealability/machinability
- Puncture and impact-resistance properties are maintained even at low temperatures
- Excellent barrier to water vapour, gases and aromas
- Superior optical properties
- One side preferential print surface, one side wide seal surface
- Unaffected by variations in climatic conditions



## Applications

RHX50 is suitable for use as a single web replacement of laminate structures. Particularly suited to vertical form-fill-seal applications in the confectionery industry.

## Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	RHX
Thickness	Innovia Films test		micron	50
Yield	Innovia Films test		m <sup>2</sup> /kg g/m <sup>2</sup>	20.1 49.8
Permeability to: Water vapour	ASTM F 1770	23 °C 85% RH 38 °C 90% RH	g/m <sup>2</sup> .24 hrs	0.3 2.9
Oxygen	ASTM F 1927	23 °C 85% RH 25 °C 0% RH	cc/m <sup>2</sup> .24 hrs	15 15
Optical: Gloss	ASTM D 2457	45°	units	110
Haze (wide angle)	ASTM D 1003	2.5°	%	2
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; 0.10 MN/m <sup>2</sup>	°C	95-145
Seal strength	Innovia Films test	130 °C; 2 secs; 0.10 MN/m <sup>2</sup>	g(f)/25mm	>350
Shrinkage	Innovia Films test	60 secs at 120 °C 60 secs at 130 °C	% MD TD	4.0 Nil 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

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## Reel Specifications

### Nominal Reel Diameters

Film	Length/(metres)					
	RHX50	725	1450	2900	4350	5800
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.

### Preferred Print Surface

The preferred print surface is available on either the inner or outer surface of Propafilm RHX.

The print 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

No special conditions are required for the storage of Propafilm RHX but it is recommended that dry conditions at temperatures below 30°C are employed to minimise any deterioration of surface discharge treatment level.

Propafilm RHX 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.

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## Food Contact

Propafilm RHX complies with the applicable EC legislation for most applications involving direct contact with foods. Full details are given on the Declaration of Compliance. Customers intending to use Propafilm RHX 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 and Safety information, please refer to literature reference B190.



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