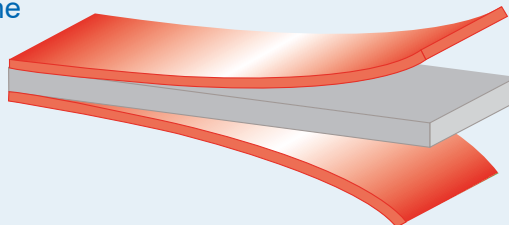


Propafilm™ RHX

Technical Data Sheet

RHX - Heavy Duty Barrier Coated Film Biaxially oriented polypropylene (BOPP) film coated on both sides with an aqueous dispersion of polyvinylidene chloride (PVdC) copolymer.



- PVdC Coating for Printability
- Oriented Polypropylene
- Enhanced Low Seal PVdC Coating

Features

- 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(200) 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	
			gauge	200	
Yield	Innovia Films test		m ² /kg	20.1	
			in ² /lb	14150	
			g/m ²	49.8	
Permeability to: Water vapour	ASTM F 1249	38°C 90% RH 100°F 90% RH	g/m ² .24 hrs	2.9	
			g/100in ² . 24 hrs	0.21	
Oxygen	ASTM F 1927	23°C 0% RH 73°F 0% RH	cc/m ² .24 hrs	15	
			cc/100in ² . 24 hrs	1.10	
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; 0.10MN/m ² 2 secs; 15 psi	°C	95-145	
			°F	200-295	
Seal strength	Innovia Films test	130°C; 2 secs; 0.10MN/m ² 265°F; 2 secs; 15 psi	g(f)/25mm/ in	>350	
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 ± 4°F, 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)
RHX50	750	9000

Film	Single Length (feet)	12x Length (feet)
RHX200	2380	23800

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 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	 Printable side >>
Outside	O	 Printable side <<

Film Storage and Handling

No special conditions are required for the storage of Propafilm™ RHX but it is recommended that dry conditions at temperatures below 30°C (85°F) are employed. 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.

Food Contact

Propafilm™ RHX 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™ 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 & Safety information, please refer to literature reference B190.

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