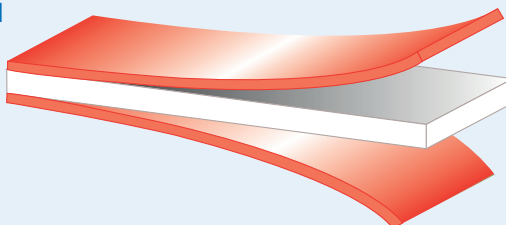


Propafilm™ RBX

Technical Data Sheet

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



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

Features

- Heat-sealable on both sides
- Excellent barrier to water vapour, gases and aromas
- Low UV/visible light transmission giving improved protection against rancidity
- Enhanced print definition compared to transparent film
- Special care should be taken when printing fine tone colours directly on to the film surface
- One side preferential print surface, one side wide seal surface
- Puncture and impact-resistance properties are maintained even at low temperatures
- Unaffected by variations in climatic conditions

Applications

RBX32(130) is recommended for use in overwrapping applications in the biscuit and bakery industries. Also suited for use as a single web or in laminate structures for medium to large packs on form-fill-seal machines.

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	RBX	
Thickness	Innovia Films test		micron	32	
			gauge	130	
Yield	Innovia Films test		m ² /kg	31.4	
			in ² /lb	22000	
			g/m ²	31.9	
Permeability to: Water vapour	ASTM F 1249	38°C 90% RH 100°F 90% RH	g/m ² .24 hrs	4.5	
			g/100in ² . 24 hrs	0.29	
Oxygen	ASTM F 1927	23°C 0% RH 73°F 0% RH	cc/m ² .24 hrs	15	
			cc/100in ² . 24 hrs	0.97	
Optical: Opacity	Innovia Films test		%	62	
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 ± 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)
RBX32	1200	14400



Film	Single Length (feet)	12x Length (feet)
RBX130	3950	47250

Other reel lengths are available in multiples of the single length as per the core diameter listed below.

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

Preferred Print Surface

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

The low heat-seal threshold and wide seal range of Propafilm™ RBX 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 (115°F). Reels of Propafilm™ RBX 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™ RBX 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™ RBX 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™ RBX 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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