

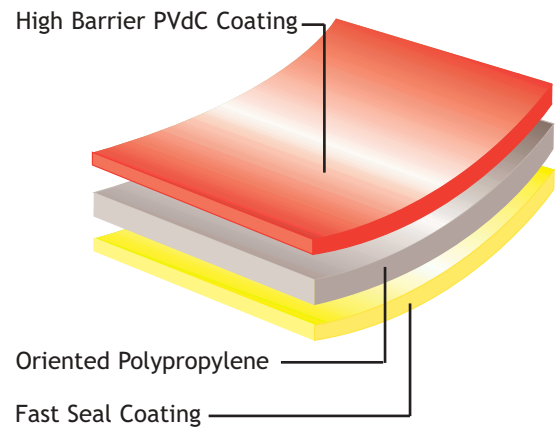
Propafilm™ FFX

Data

Fast Seal Coated High Barrier Film

Biaxially oriented polypropylene (BOPP) film with a fast seal coating on one side and an aqueous dispersion of polyvinylidene chloride (PVdC) on the other side.

- Exceptionally wide seal range on fast seal side
- Excellent seal properties in terms of strength, hot tack and integrity
- Easy line speed ramp up and down on horizontal flow-wrap machines
- Fast sealing seals remain unaffected by changes in climatic conditions
- Very high barrier to water vapor, gases and aromas
- Good optical properties
- Good printability on PVdC side
- No seal compatibility between fast seal and PVdC coatings



Applications

FFX85/100/125 are suitable for use as a single film or in laminate structures for horizontal form-fill-seal packaging especially in the bakery and cookie markets, requiring strong seals and excellent seal integrity.

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	FFX		
				85	100	125
Thickness	Innovia Films test		gauge	85	100	125
Yield	Innovia Films test		in ² /lb g/m ²	35250 19.9	28750 24.5	24250 29.0
Permeability to: Water vapor	ASTM F 1770	100° F 90% RH	g/100in ² .24 hrs	0.26	0.23	0.21
Oxygen	ASTM F 1927	77° F 0% RH	cc/100in ² .24 hrs	0.4		
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	Dynamic P/P Dynamic F/F		0.30 0.50		
Sealing range	Innovia Films test	0.1 secs; F/F 60 psi	° F	150-295		
Seal strength	Innovia Films test	212° F; 1 secs; F/F 60 psi	g(f)/in	>500		
Shrinkage	Innovia Films test	60 secs at 250° F	% MD	4.9		
			% TD	1.4		
		60 secs at 265° F	% MD	8.6		
			% TD	2.0		

All properties are tested under standard laboratory conditions: 73± 4° F; 50± 5% RH, unless otherwise stated. Where relevant, tests are based on international testing standards.

MD Machine Direction

TD Transverse Direction

P PVdC Surface

F Fast Seal Surface

Propafilm™ FFX _____ Data

Roll Specifications

Nominal Roll Diameters

Film	Length/ (feet)					
	FFX85	6250	12500	25000	37500	50000
FFX100	4675	9350	18700	28050	37400	56100
FFX125	3950	7900	15750	23600	31500	47250
Outside Diameter for 3in Core	9in	13in	18in	ns	ns	ns
Outside Diameter for 6in Core	ns	ns	18 ³ / ₄ in	22 ¹ / ₂ in	25 ¹ / ₂ in	31in



ns = non-standard

Other roll lengths are available subject to negotiation.

Fast Seal Surface

The fast seal surface is available on either the inner or outer surface of Propafilm FFX.

The fast seal surface is indicated by a symbol on a label attached to each roll.

Fast Seal Surface	Ordering Code	Label Symbol
Inside	I	
Outside	O	

Film Storage & Handling

The low heat-seal threshold and wide seal range of Propafilm FFX film allows its use in particularly demanding packaging machine applications.

Care should therefore be taken to protect rolls of film from storage temperatures above 85°F and localized sources of heat above 115°F.

Rolls of Propafilm FFX should be protected from high levels of moisture and accidental water splashes at all times. The rolls should remain in the protective coverings supplied until ready for use on converting or packaging machinery.

Converted rolls, in both master and slit roll form should be similarly protected at all times.

Propafilm FFX 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 FFX is suitable for most applications involving direct contact with foodstuffs. For specific inquiries, 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.



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