

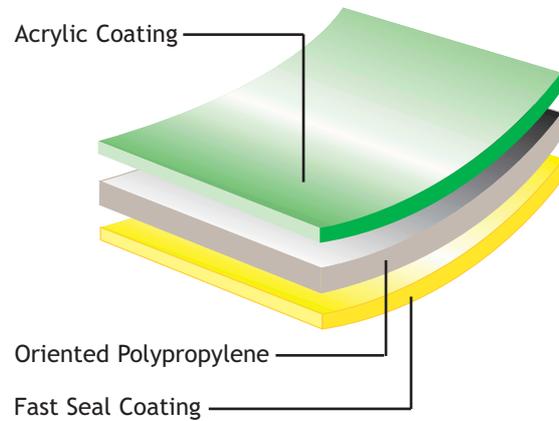
# Propafilm™ FFC

Data

## Fast Seal Coated Film

Biaxially oriented polypropylene (BOPP) film with a fast seal coating on one side and an aqueous acrylic coating on the other side.

- Exceptionally wide seal range on fast seal side.
- Excellent seal properties in terms of strength, hot tack and integrity
- Totally forgiving on horizontal flow-wrap machines
- Fast sealing seals remain unaffected by changes in climatic conditions
- Good aroma and moisture barrier
- Good optical properties
- Excellent printability on acrylic side
- No seal compatibility between fast seal and acrylic coatings



## Applications

FFC25/30 are suitable for use as single films or in laminate structures for form-fill-seal packaging especially in the bakery, biscuit and confectionery industries, requiring strong seals and excellent seal integrity.

## Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	FFC	
Thickness	Innovia Films test		micron	25	30
Yield	Innovia Films test		m <sup>2</sup> /kg g/m <sup>2</sup>	44.0 22.7	36.9 27.1
Permeability to: Water vapour	ASTM F 1770	23 °C 85% RH 38 °C 90% RH	g/m <sup>2</sup> .24 hrs	1.0 5.0	0.8 4.5
Oxygen	ASTM F 1927	23 °C 85% RH 23 °C 0% RH	cc/m <sup>2</sup> .24 hrs	750 850	650 750
Optical: Gloss	ASTM D 2457	45°	units	95	
Haze (wide angle)	ASTM D 1003	2.5°	%	2-3	
Coefficient of friction (film to film)	ASTM D 1894	Dynamic Dynamic	A/A F/F	0.20-0.30 0.50	
Sealing range	Innovia Films test	0.1 secs; 0.4 MN/m <sup>2</sup>	F/F °C	65-145	
Seal strength	Innovia Films test	100 °C; 0.1 secs; F/F 0.4 MN/m <sup>2</sup>	g(f)/25mm	>500	
Shrinkage	Innovia Films test	60 secs at 120 °C 60 secs at 130 °C	% MD TD MD TD	4.9 1.4 8.6 2.0	

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

A Acrylic Surface

F Fast Seal Surface

## Reel Specifications

### Nominal Reel Diameters

Film	Length/ (metres)					
FFC25	1500	3000	6000	9000	12000	18000
FFC30	1250	2500	5000	7500	10000	15000
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.

### Fast Seal Surface

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

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

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 FFC 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 and localised sources of heat above 45°C.

Reels of Propafilm FFC 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 FFC 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 FFC is suitable for most applications involving direct contact with foodstuffs. For specific enquiries, 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.



CERTIFICATE NUMBER Q929

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