



Tailored for Perfection

Successful wrapping of foodstuff depends on the packaging's ability to maximise the product's shelf life. Dry products like biscuits and crackers must be protected from moisture ingress to avoid loss of crispness. Those with high butter content will also require protection from oxygen permeation to prevent rancidity and flavour changes. In addition, delicate aromas need to be maintained within the pack and care must be taken to avoid migratory chemical contamination from mineral oils.

The biscuits and bakery market is also very competitive. Packaging films increasingly need to perform on the latest machines, at the highest possible speeds to deliver maximum efficiencies.

Our Propafilm™ range of BOPP films include a variety of films that meet these criteria.

Benefits

- Shelf life extension through protection against moisture ingress and oxidation
- Aroma protection, within the packs and from external tainting
- Mineral oil barrier allows customers to safely pack their product, providing peace of mind
- High speed processing for high productivity

Typical Barrier Properties of Propafilm™

Grade	H ₂ O Perm (g/m ² .24hrs) 38°C, 90% RH	O ₂ Perm (cc/m ² .24hrs) 23°C, 0% RH
FFX	3.6	6
RXD	4.0	15
RXE	4.3	15
RK+	5.5	15
RD	5.0	30
FFC	5.0	850
RC	5.5	850
REF	6.0	1800

(Data based on 25µ transparent film or nearest equivalent)

The information provided in these tables is for customer guidance only. The final choice of packaging remains the responsibility of the end user, based on their own trials.

The values quoted in the table do not represent a specification.

Application Checklist

BISCUITS	Propafilm™
	<p>Dry products need protection from moisture. High oxygen barrier films will prevent rancidity and any change of flavours.</p> <p>RXE High moisture and oxygen barrier film providing superb product protection. Its anti-static properties and wide sealing range ensures optimum machinability, whatever the format. Printable version available.</p> <p>FFX Exceptionally wide sealing range, ideally suited for horizontal form-fill applications, that require high productivity and high speed processing. Its barrier and seal integrity characteristics enable longer shelf life.</p> <p>RCU Proven to significantly reduce the migration of mineral oil residues into foodstuffs. Ideal for bag in box applications.</p>

CAKES	Propafilm™
	<p>Can be a difficult area for packaging as products vary greatly.</p> <p>FFX Provides an excellent moisture and gas barrier, and fast horizontal machine performance.</p>

Application Checklist

CRACKERS AND CRISPBREADS

Propafilm™



Humidity protection is vital to maximise shelf life and eating quality. Their flavour is also very delicate, making gas barrier coatings desirable.

- RC** In addition to a wide sealing range, Propafilm™ RC offers superb clarity and gloss. Ideally suited to all wrapping formats.
- RCU** Propafilm™ RCU has been proven to significantly reduce the migration of mineral oil residues from recycled cardboard packaging into foodstuffs. Ideal for bag in box applications.
- RXP+** High barrier film with peelable seals for easy opening packs.

CEREAL AND ENERGY BARS

Propafilm™



Protection from moisture ingress is critical in this application. Equally, many of the ingredients are susceptible to oxygen deterioration, hence the requirement for oxygen barrier.

- FFC** A high moisture barrier film designed to heat-seal at extraordinarily high speeds, whilst maintaining seal integrity for longer shelf life.
- FFX** A high oxygen barrier version of Propafilm™ FFC for the ultimate shelf life of products which are subject to rancidity.

SANDWICHES AND FILLED ROLLS

Propafilm™



The final wrap choice will depend on the distribution cycle as much as the products' equilibrium relative humidity.

- RK+** A clear barrier film with anti-mist properties, designed to prevent moisture condensation within the pack. This film has a proven track record in board lamination applications for triangular sandwich packs.

BREAD PRODUCTS

Propafilm™



Distribution and consumption of these products is typically very fast, but products need filmic packaging protection for shelf life extension in store and at home.

- REF** A coextruded BOPP film for cost effective packaging.

Grade Summary

Grade	Barrier - Moisture	Barrier - Oxygen	Mineral Oil Barrier	Wide Seal Range	High Speed and Integrity	Peelable Seals	Printable	White Film Option
FFC	■			■	■		■	■
FFX	■	■	■	■	■		■	
RC	■			■			■	■
RCU	■		■	■			■	■
REF	■			■			■	
RK+	■	■		■			■	
RXD	■	■		■			■	■
RXE	■	■		■				
RXP+	■	■		■		■	■	

About Us

Innovia Films is a major producer of highly differentiated Biaxially Oriented Polypropylene (BOPP) films. The unique functional properties of our film, combined with our world leading coating and surface chemistry expertise, results in products which are very well recognised and valued by our customers.

We hold a leading global position in the markets we serve – high performance coated films, tobacco overwrap, labels and security films. Technical expertise and market-driven developments are key to our position at the leading edge of advances in these markets.

Our production sites are based in Australia, Belgium, Mexico and the UK. Service and support alongside product quality is a priority for us. Our strong network of commercial offices, agents and distributors globally support our sales into around 100 countries worldwide, ensuring a high level of customer responsiveness.

Innovation through our Research and Development is at the heart of our business. We work closely with customers, suppliers, academics and commercial partners to ensure speed of delivery of new products.

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