

# Propafilm™

High Barrier Multi-Layer  
Packaging Film

Strata SL



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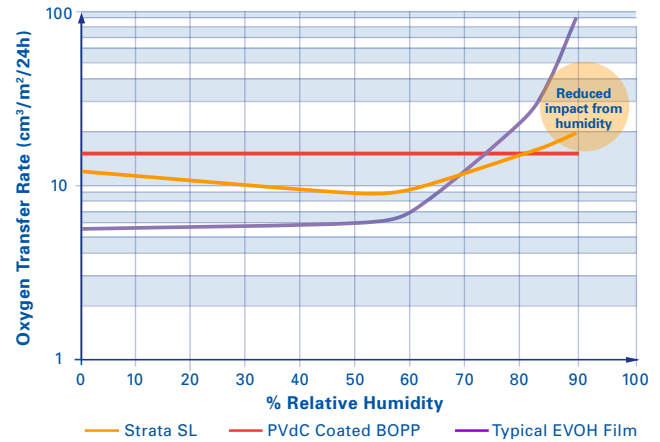


use our imagination...

## Extend Shelf-Life and Reduce Food Waste

- High gas barrier properties, even at high relative humidity, leads to the potential for shelf-life extension, which results in reduced food waste for consumers.
- Extended shelf-life means retailers can make significant savings by holding less stock.
- Increased shelf-life for perishable fresh produce in refrigerated conditions.
- No loss of product quality in geographical regions with high relative humidity.

### Effect of Relative Humidity on Oxygen Barrier



## Cost Savings

- Replacing the outer printable layer and middle barrier layer in a three layer barrier structure saves on raw material and lamination costs.
- The ability to move from a thicker PE+EVOH barrier coextrusion to a thinner Strata SL means using longer reels, having fewer reel changes, reduced storage space and increased printing efficiency.

## Recycling and Sustainability

- The levels of EVOH present in Strata SL are within the recommended recycling levels (<10%), meaning the film is made for recycling, in a circular economy.
- Can replace non-recyclable barrier PET and OPA films in laminate structures to produce recycle ready, polyolefin structures.
- Direct replacement for chlorine containing barrier films, to give a recyclable solution.
- Lower carbon footprint, compared with coated barrier materials, therefore reducing environmental impact.





## Shelf impact and Moments of Truth

- High clarity allows the brand to move away from non-transparent packaging and 'undress their product' allowing the consumer to see the quality of their product, leading to increased sales.
- Using a clear barrier product facilitates pack redesign and new branding opportunities by incorporating a 'window'.
- Incorporate inclusive packing into the pack design by giving the consumer a product with an easy-open peelable seal, leading to increased sales to new demographics.

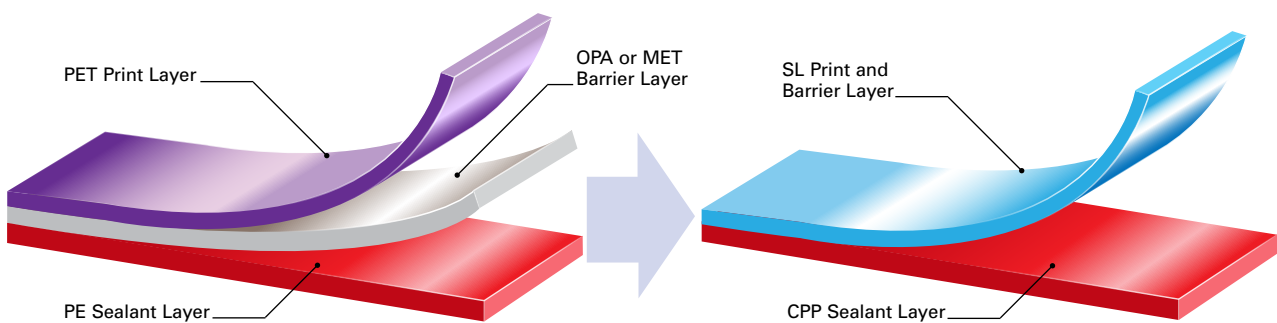
## Light-weighting and Down-gauging

- Increased MD stiffness allows the potential opportunity to down-gauge in a mono-filmic BOPP application by 5µm, therefore using less material and gaining a yield advantage.
- The mechanical properties of BOPP mean that it may be possible to replace a much thicker PE+EVOH coextrusion with a thinner film for some VFFS applications (depending on pack weight).

## Pack Simplification

- Strata SL can be reverse printed and laminated to a sealant web, to produce a finished two layer barrier laminate, therefore replacing the outer printable layer and middle barrier layer in a three layer barrier structure.
- Can be used as an alternative barrier film to PET, OPA, foil and metallised films.

### Example of pack simplification



- Three layer mixed-material barrier laminate
- Non-recyclable

- Two layer, all polypropylene barrier laminate
- Propafilm™ Strata SL provides printability and barrier
- Made for recycling

## 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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