



PENINSULA PACKAGING

A DIVISION OF MASTER PLASTICS (PTY) LIMITED

PRODUCT CATALOGUE





Peninsula Packaging, located in Cape Town is one of 3 group companies in the Master Plastics Group.

Peninsula Packaging is a house brand packaging business focusing on the supply of retail house brand packaging which includes:

- Fresh produce bags, wicket, side seal, bottom seal, Bespoke Fox and KIF.
- Machine packable produce wickets and FFS.
- Prepared foods MAP packaging.
- Bulk foods MAP packaging and liners.
- Export packaging including FFS, captive flap, block perforated and wicketed.
- Extended shelf-life solutions for fresh and prepared foods, meats and dairy.
- Sustainable and recyclable packaging solutions for dry foods, nuts, dried fruits, sweets and confectionaries.

As a business we devote much time and resources to solving our customers' problems and doing extensive research and product development work to offer a complete turnkey solution.

This is enabled by our breadth of technologies, all located under one roof, which includes extrusion, printing, lamination, slitting, perforation (including laser) and various forms of bag- and pouchmaking. Master Plastics is pleased to advise clients that our printing processes use digital flexographic printing. We are supplemented by our sister company Barrier Film Converters, located in Durban, on a number of processes and are one of a very few packaging suppliers with genuine dual site supply capability.

Tell us your problem and let's see if we have a solution for you. Our ethos is to deliver cost competitive packaging that is fully recyclable and offers improved or extended shelf life.

"We don't make excuses, we make it happen."

See the back page for specific contact details for our solutions contained in this brochure.



Penflo is used in vertical and horizontal Flow Wrap packing processes and replaces BOPP and laminate structures with no need to modify or change the filling equipment.



FEATURES

- Fully and widely recyclable with the recycled product having many applications in post-consumer use.
- Replacement film for BOPP & Laminate flow wrap applications.
- Best in class PE film clarity.
- Superior and adjustable Water and Gas transmission rates.
- No change in line speed with an available increase possible.
- Superior hermetic seal conditions.

BENEFITS

- Cost competitive.
- Packers can use their existing BOPP and Laminate Filling Machine/ Packaging Machines.
- Lower energy use.
- 100% South African produced material, no imported film used.
- Local Technical support on both polymer technology and Flow wrap machines.
- Extended shelf life for fresh fruit and produce, dry foods, nuts and sweets.
- 100% recyclable .

POLEMAP®

POLE-Map is a hybrid material with modified gas transmission rates ideally suited to products where continued respiration occurs in the packaging (MAP). It is also super tough and suited to single substrate zip lock bags and similar.

- Superior Gas transmission rates on O₂, water vapour and specifically CO₂.
- Has the ability to increase MAP shelf life to 30 days and beyond in retail packs.
- Creates the desired conditions that will extend the shelf life of the packed product through MAP.
- Superior Hermetic seals to existing materials.
- Tougher material and suitable for bulk pack vegetable and soup offerings.

FEATURES

- Controlled permeability to suit each product.
- Extends the product's shelf-life and preserves the initial quality and freshness.
- Maintains a safe aerobic atmosphere and avoids anaerobic conditions.
- Minimises dehydration.
- POLE-Map is available in a wide range of film sizes and gauges in reel or bag form, to suit many applications and marketing requirements.
- High clarity.
- Material can be gas flushed (Nitrogen flush).
- Antifog/ Anti mist pack available on request.
- POLE-Map is also microwavable for all packed products.

BENEFITS


- Cost competitive.
- Improves the appeal of the product.
- Tastes better for longer.
- Maintains the nutritional value.
- Reduces waste.
- Product is 100% recyclable ♻️.
- Reduced lead time.
- Local Technical support on both polymer technology and packaging equipment.
- Extends shelf life considerably.



PEN**G**OLD

PenGold is an antimicrobial/antifungal film. The active ingredient disables the enzyme required for bacterial and fungal action, destroying their function on the polymer surface. This additive package remains unconsumed.

BENEFITS

- A suitable alternative for deli meat, fish and cheese products.
- 100% recyclable  .
- Lower material gauge and cost than Laminates and EvoH materials currently used.
- 30-day shelf life on smoked trout and salmon with 30 micron film.
- Proven anti-microbial performance as tested at Microchem for efficacy and Intertek laboratories for food safety compliance.



PENBIO¹®

AFTER 70 DAYS - 0% BOTRYTIS, 0% STEM ROT,
100% FIRM BERRIES

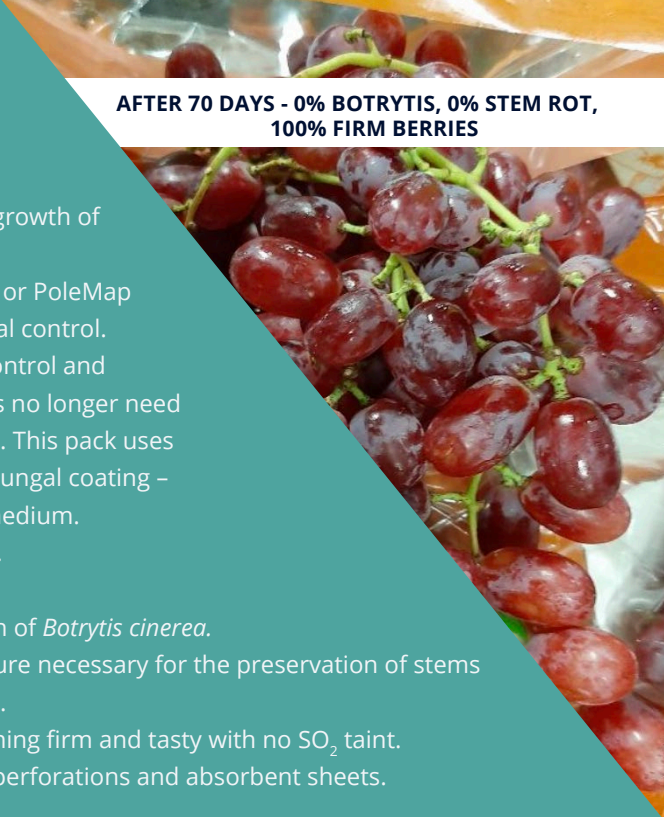
PenBio1 controls and eliminates growth of Botrytis and Fungi.

A coating applied to either PenFlo or PoleMap achieves both MAP and Anti-Fungal control. Specific dosing is paramount to control and eliminate fungal growth. Products no longer need to be force dried and force cooled. This pack uses the moisture to activate the Anti-Fungal coating – Moisture is PenBio1's activation medium. Eliminate SO₂ sheets and controls.

- Ensuring low or no fungal growth of *Botrytis cinerea*.
- Trapping and maintaining moisture necessary for the preservation of stems in a green and healthy condition.
- The preservation of berry remaining firm and tasty with no SO₂ taint.
- The elimination of unnecessary perforations and absorbent sheets.
- The elimination of SO₂ sheets.
- A totally and completely food safe and fully recyclable packaging medium.
- Tested shelf life of refrigerated grapes for up to and in excess of 7 weeks.

FEATURES


- Effectively kills or inhibits Botrytis and mould growth.
- This film is specifically designed with CO₂ and WVTR rates that optimise the shelf life of the grapes, can be adapted, and trialled on other produce.
- Meets consumer demand for natural products.
- More effective than chemical preservatives at much lower dosage.
- Minimal change or deterioration of taste, odour, colour, texture and nutritional value over an extended period.
- GMO status – according to regulation EC nos.1829/2003 and 1830/2002.
- Micro-organisms used for production of this product are not genetically modified.
- The film and additive are 100% recyclable as .



Zip Lock

This packaging product is used predominantly to pack different types of fruit and produce, such as Grapes, Plums, Peaches, Nectarines, Granadillas, Prickly Pears and Tomatoes.

FEATURES

- Single Substrate material.
- 100% Recyclable – .
- High Clarity.
- Extreme strength and excellent puncture resistance.

BENEFITS

- Cost competitive.
- Can be used as a “stand up pouch” although not laminated.
- Punched out handle – can be used as a carry bag.
- Material gets extruded inhouse and due to a single substrate, only 3 manufacturing processes to final product – shorter lead times.
- Made from our special newly innovated PoE-Map material which is far more advanced than CPP or Blown PP, and much stronger and cheaper.
- Softer on fruits than other packs.




POLEPOUCH

Dual lamination of **PenFlo** to a range of various gauge low melt Poly blends to form a wide range of Pouches for all applications. Can include antifungal, anti-mist, and other additive packs.

FEATURES

- Extends the product's shelf-life and preserves the initial quality and freshness.
- Minimises dehydration.
- Pole Pouch can be formed into a wide range of Pouch formats to meet your packaging needs.
- Pole Pouch gauge can be tailored to meet your products on shelf feel and visual aesthetics.
- High clarity.
- Material can be gas flushed (Nitrogen flush).
- Similar OTR and significantly better COTR and WVTR to existing laminate structures.

BENEFITS

- Cost competitive.
- Improves the appeal of the product.
- Tastes better for longer.
- Maintains the nutritional value.
- Reduces waste and saves money.
- Product is 100% recyclable .
- Reduced lead time owing to local manufacturing.
- Local Technical support on both polymer technology and packaging equipment.
- Extends shelf life.



Fox - BAGS

This unique product features the winning qualities of both poly and mesh, the **Fox Fresh Mesh Combo** bag offers the combination of a large print area for branding and respiration properties via the mesh – making this bag a win-win for brand owners and retailers alike. Peninsula Packaging has exclusive license agreement in Southern Africa.



FEATURES

- Gloss or matt finish on the branded / printed side/ paper feel and matt finish also available.
- Wicketed – can be used on fully automated packing machines.
- Different mesh colours to accommodate the product inside.
- Can be used for products anywhere from 1kg up to 5kg.

BENEFITS

- Can be done with our special black / white material (Ultra Shield) to prevent potatoes from greening.
- Allows plenty breathability inside the bag to prevent rotting of product.
- Enhance and extend Shelf Life of packed product.
- 10 different mesh colours to choose from.
- Wicketed for automated packing.
- Ideal for products like, Potatoes, Onions, Sweet Potatoes, Butternuts, Gem Squash, Citrus.



KEEP-IT-FRESH films and bags contains special properties of shelf-life enhancement of fresh fruit and vegetables from 40% up to 400%. Ethylene gas in the packaging increases the ripening rate of the fresh produce hence aggravating the ripening process resulting in faster rotting and spoilage of the product. KIF is an ethylene scavenger that neutralizes ethylene in the packaging and slows down the ripening process, resulting in produce remaining fresh for longer. Peninsula Packaging has an exclusive license agreement in South Africa with KEEP-IT-FRESH LLP.



FEATURES

- Absorption of Ethylene – The ethylene produced by the produce is absorbed by the special minerals in the packaging that selectively absorb ethylene molecules.
- Oxidation of Ethylene – The ethylene is attracted towards the media in the film and gets oxidized to water and carbon dioxide.
- VBI – The option of having a natural Vaporising Bio Inhibitor is available with these bags. The active ingredient is a natural plant extract, which has the capability to inhibit microbial growth in its presence.
- Special micro and macro pores in this film also allows breath ability of moisture and the anti-fog properties do not allow the mist to settle in the packaged films.

BENEFITS

- Cost competitive.
- Keeps fresh produce fresh for longer.
- Wide range of applications for most fruit and vegetable varieties and cultivars.
- Manufactured locally which means shorter lead times.
- Eco-Friendly. This product is 100% recyclable.
- Cost saving to the consumer as the produce will remain fresher for longer, which means less waste.

PERFOTEC MAP

(Modified Atmosphere Packaging) Technology

FEATURES

- The technology of laser perforation is applied to manipulate the transmission rates of the film in respect of O_2 , CO_2 , and water vapour to slow down the respiration rate and reduces ethylene production.
- This technology can be utilised in combination with other hybrid films such as Pole Map, KIF (Keep It Fresh) dynamic liner systems and special liner bags, Maturation bags and many more of our exclusive offerings.
- Reason – to create the desired conditions that will extend the shelf life of the packed product through MAP and other controls available in PoleMap, PenGold, Penbio1 and PenFlo.
- The technology from PerfoTec can be used for all fresh produce, fresh-cut and whole produce, and flowers.
- Controlled permeability to suit each product available in a wide range of film types, in reel or bag form, to suit many applications and marketing requirements.

BENEFITS

- Extends the product's shelf-life and preserves the initial quality and freshness.
- Maintains a safe aerobic atmosphere and avoids anaerobic conditions.
- Minimises dehydration.
- Reduces waste significantly.
- Extends the freshness of fruit and vegetables.
- Improving fresh product image.
- Reduces distribution costs, lower supply frequency.
- Improves the appeal of the product.
- Tastes better for longer, maintains the nutritional value.
- Wider market reach.
- Increases demand for fresh produce.
- Increases production flexibility, no need to pack every day.
- Peninsula Packaging has exclusive license agreement in Southern Africa.



PENFL[®]

Hanlie Joubert - hanliej@masterplasticsgroup.com

POL[®]EMAP

Francois Boraine - francoisb@masterplasticsgroup.com

PEN^{GOLD}

Melanie Ann Brink - melanieb@masterplasticsgroup.com

PEN¹BI[®]

Lotter Visser - lotterv@masterplasticsgroup.com

Zip Lock

Ryan Barker - ryanb@masterplasticsgroup.com

Lotter Visser - lotterv@masterplasticsgroup.com

POL[®]EPOUCH

Ryan Barker - ryanb@masterplasticsgroup.com

Fox - BAGS

Lotter Visser - lotterv@masterplasticsgroup.com

Hanlie Joubert - hanliej@masterplasticsgroup.com





Hanlie Joubert - hanliej@masterplasticsgroup.com

Francois Boraine - francoisb@masterplasticsgroup.com

PERFOTEC MAP

Francois Boraine - francoisb@masterplasticsgroup.com

 Proton Crescent, Stikland, Bellville, 7530

 Tel: +27 (0) 21 948 0717

 www.masterplasticsgroup.com