

Know your polymers

Applications

Natural colour

Available colour options

Decoration options

Available grades

Post consumer recycled content availability for packaging

Recyclability / Secondary applications

PRO (producer responsibility organisation)

Mpact Branch

Colour is achieved by adding masterbatch - which is not aligned with "design for recyclability" principles.

PET

Polyethylene Terephthalate

Preforms, bottles, hotfill bottles and wide mouth jars Thermoformed trays, punnets, bases & domes

Clear Clear

Various options available Various options available

Labeling and direct printing Labeling

APET, rPET rPET, APET, CPET

rPET rPET

Clear & light blue products is recycled back into food-grade packaging items. Alternate colours are recycled into geotextiles, strapping and darker coloured fibres. Not currently recycled at scale. PROs are investigating potential collection schemes and development of end-markets to recycle PET Thermoforms

Polyco petco Polyco

Mpact Plastics Wadeville Mpact Plastics FMCG Atlantis Mpact Plastics FMCG Pinetown Mpact Versapak



HDPE

High Density Polyethylene

Bottles, jars and closures

Opaque

Various options available

Labeling and direct printing

HDPE, rHDPE (non-food grade)

rHDPE

Secondary application: pipes for agricultural, construction and mining sectors

Polyco

Mpact Plastics Wadeville Mpact Plastics FMCG Atlantis Mpact Plastics FMCG Pinetown Mpact Versapak



VINYL

Polyvinyl Chloride

Flexible vinyl cling film Rigid containers & bottles

Clear Clear, Opaque

Clear Clear, opaque and various other colour options available

Not applicable Labeling and direct printing

Not applicable Not applicable

No rPVC for Primary packaging No rPVC for Primary packaging

Recycled into construction and footwear markets. Post-consumer vinyl packaging is currently not recycled at scale due to low volumes that do not justify collection and transport. Recycled into construction and footwear markets. Post-consumer vinyl packaging is currently not recycled at scale due to low volumes that do not justify collection and transport

Polyco Polyco

Mpact Versapak Mpact Plastics FMCG Atlantis



PP

Polypropylene

Tubs, closures, jars and microwavable trays

Opaque

Various options available

Labeling and direct printing

Homopolymer, Copolymer

No rPP for primary packaging

Recycled into domestic ware, furniture, automotive components

Polyco

Mpact Plastics Wadeville Mpact Plastics FMCG Atlantis Mpact Plastics FMCG Pinetown Mpact Versapak



HIPS

High Impact Polystyrene

Trays, yoghurt tubs and lids

Opaque

Opaque and black

Labeling

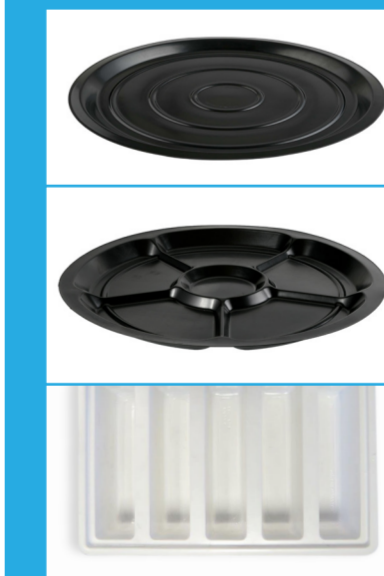
Not applicable

No rHIPS for primary packaging

Not currently recycled at scale. PROs are investigating potential collection schemes to transport recyclables to recyclers

Polyco

Mpact Versapak



PS

Foamed Extruded Polystyrene (XPS)

Trays and clamshells

Opaque

White, black and various other options available

Direct printing

Not applicable

no rPS for primary packaging

Recycled into light-weight concrete blocks, décor items and building panel composites

Polyco

Mpact Versapak



LDPE

Low Density Polyethylene

Closures, puffer inserts and bottles

Opaque

Various options available

Labeling and direct printing

Not applicable

No rLDPE for primary packaging

Recycled into buckets, irrigation hoses and construction sheeting

Polyco

Mpact Plastics FMCG Atlantis Mpact Plastics FMCG Pinetown

