

# 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

FOOD APPLICATIONS NON-FOOD APPLICATIONS

Clear

Various options available

Labeling and direct printing

APET, 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

Polyco petco

Mpact Plastics Wadeville  
Mpact Plastics FMCG Atlantis  
Mpact Plastics FMCG Pinetown

Thermoformed trays, punnets, bases & domes

NON-FOOD APPLICATIONS FOOD APPLICATIONS

Clear

Various options available

Labeling

rPET, APET, CPET

rPET

Not currently recycled at scale

Polyco

Mpact Versapak

### HDPE

High Density Polyethylene

Bottles, jars and closures

FOOD APPLICATIONS NON-FOOD APPLICATIONS

Opaque

Various options available

Labeling and direct printing

HDPE, rHDPE (non-food grade)

rHDPE

Secondary application: pipes for agricultural, construction and mining sectors

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

### VINYL

Polyvinyl Chloride

Flexible vinyl cling film

FOOD APPLICATIONS NON-FOOD APPLICATIONS

Clear

Clear

Not applicable

Not applicable

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

Polyco

Mpact Versapak

Rigid containers & bottles

FOOD APPLICATIONS NON-FOOD APPLICATIONS

Clear, Opaque

Clear, opaque and various other colour options available

Labeling and direct printing

Not applicable

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

Polyco

Mpact Plastics FMCG Atlantis

### PP

Polypropylene

Tubs, closures, jars and microwavable trays

FOOD APPLICATIONS NON-FOOD APPLICATIONS

Opaque

Various options available

Labeling and direct printing

Homopolymer, Copolymer

No rPP for primary packaging

Recycled into domestic ware, furniture, automotive components

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Mpact Plastics FMCG Atlantis  
Mpact Plastics FMCG Pinetown  
Mpact Versapak

### HIPS

High Impact Polystyrene

Trays, yoghurt tubs and lids

FOOD APPLICATIONS NON-FOOD APPLICATIONS

Opaque

Opaque and black

Labeling

Not applicable

No rHIPS for primary packaging

Not currently recycled at scale

Polyco

Mpact Versapak

### PS

Foamed Extruded Polystyrene (XPS)

Trays and clamshells

FOOD APPLICATIONS NON-FOOD APPLICATIONS

Opaque

White, black and various other options available

Direct printing

Not applicable

no PS 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

FOOD APPLICATIONS NON-FOOD APPLICATIONS

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

