

# Sustainability actions of Berry Global

Sustainability performance of Berry Global:  
<https://www.berryglobal.com/sustainability/howweperform>

## Sustainability goal for Berry – Impact 2025

### Products

#### Minimize product impacts

#### Optimize Design

- 100% reusable, recyclable, or compostable packaging by 2025
- Minimize carbon footprint
- Lightweight products

#### Sustainable Material

- Increase use of circular plastics
  - 10% recycled content across our packaging by 2025
- (\*30% recycle content in packaging for CPI)

### Performance

#### Minimize operational impacts

#### Climate Change

- Science-Based Target: Reduce absolute Scope 1+2 emissions 25% and Scope 3 emissions 8% by 2025 vs 2019
- Increase renewable energy YOY

#### Continuous Improvement

- Reduce landfill waste intensity 5% YOY
- Reduce energy and water consumption intensity 1% YOY

#### End Plastic Waste Locally & Globally

- Prevent resin loss through OCS (Operation Clean Sweep)
- Implement OCS at acquisition sites within the first year

## What does Berry do for sustainability?

### Circular plastic design



#### Wave 2cc package

Mono-type plastics used that facilitate recycle. No metal spring.



#### AIRFREE package

All plastics pump + individual bag + Oxygen and moisture barrier



### Refill and reusable design



#### Refill beverage cup

Refill in McDonald



#### Reusable jars

Keep the outer jar for use. Only to purchase inner pack when empty



### Use of PCR and bio-based resin



#### rPET



#### rPP



#### rHDPE



#### Bio-based HDPE

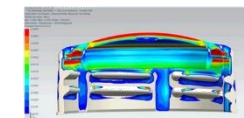


### Hybrid packaging (Reduce plastics)



#### CombiLight

App. 63% cardboard with skeleton plastic layer.



#### Software study

Analysis how to reduce plastic in product design

## How does Berry perform in sustainability globally?

Positive trend in recyclable resin and PCR usage shown in EMF sustainability assessment on global enterprise

Organisation name	Reusable, recyclable or compostable plastic packaging (%)	Post-consumer recycled content (%)
Berry Global	53% ▲2.0pp Target: 100%	2.3% ▲0.1pp Target: 10%

ECOVADIS Silver award in sustainability for year 2021



57/100

75th percentile

Source: Ellen Macarthur circular Economy website

# Wave 2cc

*All plastic environmental protection design, lightweight and economical*

## Advantages of full plastic pump

- 100% plastics, 100% recycle
- with PET bottles, recycle Grade A can be achieved
- With HDPE and PP bottles to achieve recyclable Grade B and C
- Up to 7% of recycle material can be use for PCR material which approved by FDA
- Pass E-commerce ISTA 6
- Lock-up design can be turned off at any time after use, which is convenient for travelling and carrying out

## Scope of application

- ✓ **The product design can be freestyle** – the shape of product can be flexible, and the shape of the pressing h can be designed as customer-like.
- ✓ **The volume of product can be various** – no matter 100ml, 500ml, even 1000ml.
- ✓ **Suitable for different kinds of liquid** – no matter Shampoo, shower gel, body lotion, hair conditioner, facial cleanser and others
- ✓ **Freestyle on appearance** – no restriction in colors
- ✓ **No limited in occasions** - waterproof, suitable for shower and bathroom



# Airfree<sup>®</sup> ( Airless )

*Vacuum pump, bag in bottle, airless technology*

## Advantages of Airfree<sup>®</sup> system

- The system can increase the product's utilization rate from 90% to 97%
- EVOH is the only known plastic material that has been proven to block air permeation effectively.

## Scope of application

- ✓ **Enlarge the scope of product formulation**– Protect the products before and after use.
- ✓ **More freedom in shape design** – Unlike the piston type, it can used both in round or square outlook.
- ✓ **More choices for design different volumes** – no matter 15ml, 500ml, even 1250ml.
- ✓ **Suitable for different kinds of liquid** – no matter how thick or how thin
- ✓ **Freestyle on appearance** – free choices in colors
- ✓ **No limited in occasions** – no affection for products under rotating or shaking widely



# PISTON & AIRFREE® SYSTEMS : A COMPLEMENTARY OFFER

## PISTON



- ✓ Good evacuation
- ✓ High Shelf impact
- ✓ Perfect for premium & luxury look
- ✓ Large panel of viscosities



- Design shape limited to cylindrical & oval
- No oxygen barrier protection in the container
- Not adapted for big capacities

## AIRFREE®



- ✓ Freedom of shape
- ✓ Oxygen barrier in the bottle
- ✓ From 15ml to 1,250 ml
- ✓ Recyclability & sustainability



- Low Shelf impact
- Decoration constraints
- Compatibility tests mandatory

A LARGE AIRLESS OFFER TO FIT CUSTOMER NEEDS