

# Packaging FOCUS

# 2023

SRPACKAGING.com

**Mono-material,**  
Better Recyclability.  
Clean Beauty.  
Clean Earth.



# Why mono-material?

## **Packaging with different materials**

Each material offers various packaging characteristics, such as strength, impermeability, gas barrier, and light protection, and together they perform to preserve the product in the best possible way.

## **Challenge to change**

Conventionally it is challenging to develop mono-material solutions to guarantee efficient product protection. Yet, SR Packaging manages to create mono-material packaging and keep the functionality.

## **The advantages of mono-material in recycling**

Packaging with only one type of plastic does not require post-use disassembling, facilitating and speeding up recycling, aside from resulting in a better quality recycled resin suitable for more applications, which increases its added value and attracts the interest of the entire chain, from collectors to transformers.

## **Mono-material Airless Bottles**

The recyclable, 2-layered extrusion blow molding airless bottles have the same material as the matching dispensing pumps or sprayers. Consumers can toss the empties into recycling bins without separating them.

## **And many more**

Not just airless. The PP dropper bottle, PE tube, PP tube, PET lipstick, PP lipstick, and aluminum lipstick are each of one single material for the entire packaging composition.



EBM  
Airless  
Bottles



PE Tubes



PP Tubes



Mono Lipsticks

# Mono-material



PP Dropper Bottles



PP Jars

# Personal Care Possibilities

**SR Packaging** utilizes the extrusion blow molding process to create lighter, more reliable, and cost-competitive EBM Airless Bottles. The design has an airless PP pouch (with a less than 2% EVOH barrier) inside the rigid PP exterior wall.

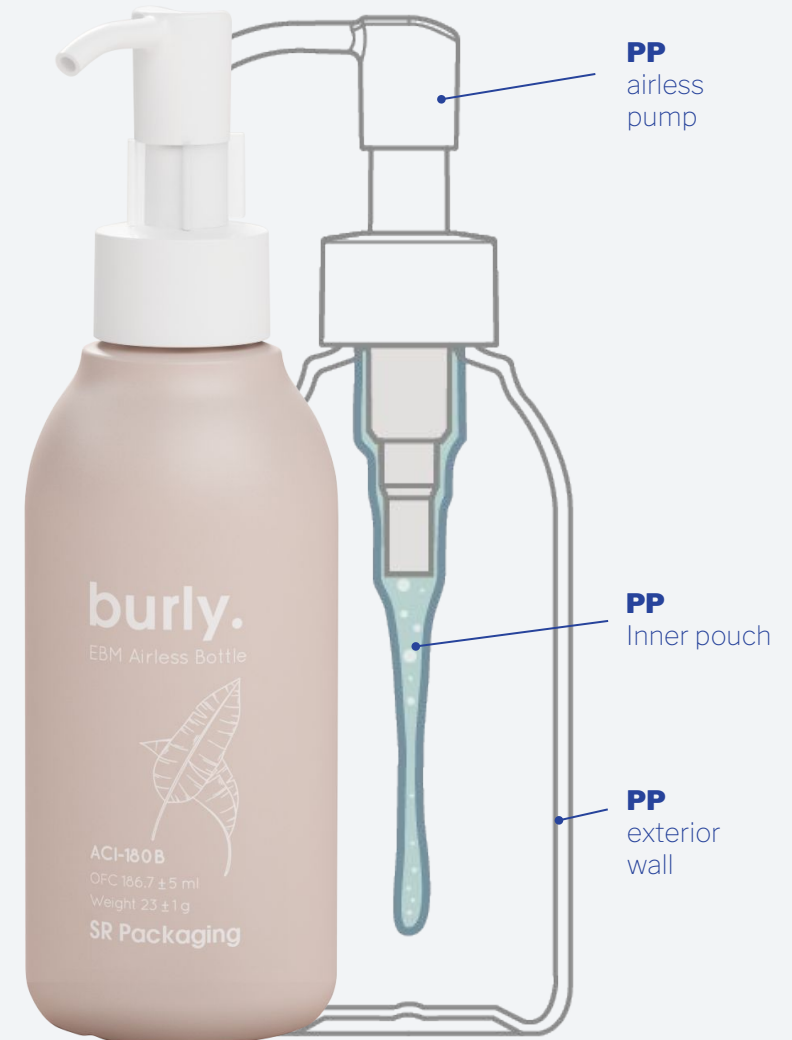
It conforms to US and European packaging design regulations, entirely recyclable without disassembling.

From 30 ml to 250 ml with unlimited shaping potentials.

## Clean Skincare

A moisturizing balm of high viscosity or a light mist that requires fine spray particles, EBM Airless Bottles benefits consumers with a wider variety of natural, preservative-free products.

**Designed and made in Taiwan**, EBM Airless Bottles are available with post-consumer recycled plastics provided by local recyclers that conform to EuCertPlast and European RoHS requirements.



Mono is the new norm.

Configure EBM airless bottles with pumps & sprayers.

[View the catalog](#)

**Recycle up!**







ONE plastic  
for all parts.

The mono-material design makes it easy to recycle. The bulb, collar, pipette, and bottle, all parts are made of one plastic --- PP, the chemical resistant and compatible plastic.



Each component can be tailored for a distinctive color tone using plastic colorant for color matching.

Customizable  
colors.



Light and  
shatter-proof.

Unlike glass, the PP pipette and bottle are concern-free for breakage and are lightweight without compromising product compatibility.





PE tube  
with PE cap

PE tube with PE cap, the entire packaging is mono-material for easy recycling after use.

PE Tubes	Ø13	Ø16	Ø19	Ø22	Ø25	Ø30
Volume	3 ~ 8 ml	5 ~ 15 ml	10 ~ 20 ml	10 ~ 30 ml	20 ~ 50 ml	30 ~ 70 ml
Length	50 ~ 85 mm	65 ~ 100 mm	55 ~ 95 mm	70 ~ 110 mm	70 ~ 130 mm	75 ~ 137 mm

## PP tube with PP cap

PP tube with PP cap, the entire packaging is mono-material for easy recycling after use.







mono PP Tubes

**POLYPROPYLENE**



VS.



**POLYETHYLENE**



mono PE Tubes

### Similarities

Easy-to-recycle food grade polymer

Good impact tolerance

High chemical resistance

PP is almost as resistant as PE, but with a few specific chemicals, it offers superior resistance. It can also be autoclaved and is better for use in higher-temperature situations.

PE has a good compatibility rating with most chemicals and is resistant to strong acids and bases, as well as gentle oxidants and reducing agents.

### Differences

Translucent

colors

Opaque

Less flexible, difficult to break

flexibility

Elastic, stretches easily

0.5-3.0 GPa

tensile strength

3.7-19 Gpa

# Mono-material PP Jars

PP jar with PP cap

15 ml	H. 47 mm Dia. 42 mm
30 ml	H. 47 mm Dia. 55 mm
50 ml	H. 53 mm Dia. 65 mm
100 ml	H. 60 mm Dia. 79 mm
120 ml	H. 64 mm Dia. 79 mm
150 ml	H. 57 mm Dia. 95 mm
200 ml	H. 64 mm Dia. 95 mm



# 3 OPTIONS OF MONO LIPSTICKS!

Material	PP	PET	Aluminium
Barrel size	12.7 mm	12.7 mm	12.1 mm



# Clean Beauty. Clean Earth.

SR Packaging Focus 2023,  
mono-material, better recyclability.

[www.srpacaging.com](http://www.srpacaging.com)

