

# Mono-material

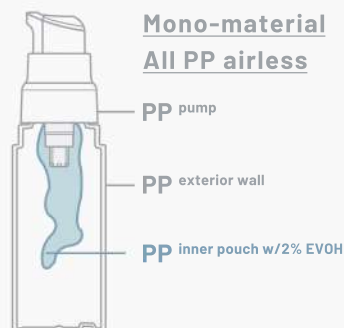
## Better Recyclability

### 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 EBM Airless bottles

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

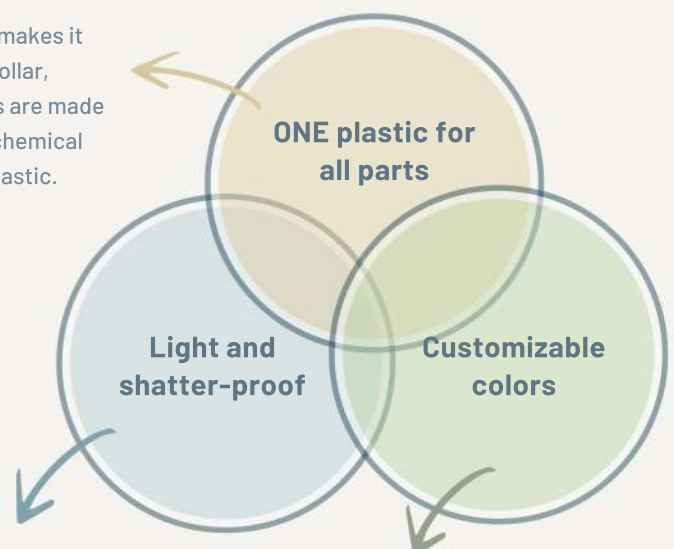


It conforms to US and European packaging design regulations, entirely recyclable without disassembling.



### Mono-material Dropper Bottles

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.



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

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

### Mono-material PP Jars

**15ml**  
H. 47 mm  
Dia. 42 mm

**30ml**  
H. 47 mm  
Dia. 55 mm

**50ml**  
H. 53 mm  
Dia. 65 mm

**100ml**  
H. 60 mm  
Dia. 79 mm

**120ml**  
H. 64 mm  
Dia. 79 mm

**150ml**  
H. 57 mm  
Dia. 95 mm

**200ml**  
H. 64 mm  
Dia. 95 mm



### Mono-material Tubes

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



### Similarities



Easy-to-recycle  
food grade polymer



Good impact  
tolerance



High chemical  
resistance

PP	Differences	PE
Less flexible, difficult to break	flexibility	Elastic, stretches easily
0.5-3.0 GPa	tensile strength	3.7-19 Gpa

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.

### 3 OPTIONS OF MONO LIPSTICKS !

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



PP



PET



AL