

TUBES of versatile solutions

PCR Tubes post-consumer recycled plastics

PCR PP, PE

The tubes are made of PCR, post-consumer recycled plastics. Instead of virgin plastics, using PCR helps to lower carbon footprint, reduce waste, and prevent marine pollution.

Sugarcane Tubes made from byproduct of sugarcane

Biomass Plastics, Green PE

Extracting ethanol from sugarcane creates a viable plant-based polythene product and is suitable for the recycling mix, as well as for subsequent reuse.



ABL Tubes (Aluminum Barrier Laminate Tubes)

Comprised of aluminum/PET foil and PE, the aluminum barrier laminate or ABL tubes are equally compatible with solvent-based acid or alkaline products. The impermeable and impenetrable properties of foil provide superior protection to keep contents fresh and uncontaminated even through long periods of intermittent use. ABL tubes are often used for oral, healthcare, personal care, and pharmaceuticals.

POLYLAMI tubes are ABL tubes coated with a PE layer for extra protection.

POLYLAMI tubes enhance compatibility with difficult ingredients such as products containing SPF formulas or active ingredients.



Mono-material Tubes

PE tubes with PE caps. Or PP tubes with PE caps. Keep the packaging design as mono-material for easy recycling after use.

Five-layered CO-EX Tubes

(PE-Adhesive-EVOH-Adhesive-PE) EVOH barrier included

EVOH is an excellent gas barrier and is also oil- and solvent-resistant. By co-extruding PE with EVOH, the 5-layer tube benefits from the low permeability to oxygen and is mostly used for sensitive cosmetics and pharmaceuticals to prevent deterioration by contact with air.

Optional headings and closures.



roll-on



one-way valve flip-top cap



disc-top cap

screw cap



twist-lock



nozzle tube



airless



massage brush



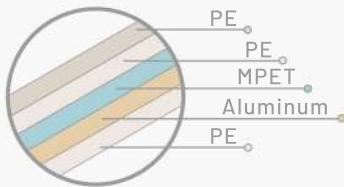
makeup applicator

Differences of POLYLAMI, ABL, and PE tubes.

Function & Design	POLYLAMI	ABL TUBE	PE TUBE
Thickness	0.37mm-0.43mm	0.25mm-0.39mm	0.30mm-0.39mm
Round tube size range	D16-50mm	D16-60mm	D10-16mm
Oval tube size range	D22-50mm	D22-50mm	D22-50mm
Super oval tube size range	D30, 35, 40, 50mm	D30, 35, 40, 50mm	D30, 35, 40, 50mm
Seamless shoulder	✓	✗	✓
Metallic sheerness	✓	✓	✗
Barrier to block UV light	✓	✓	✗
Vapor and gas barrier	✓	✓	✓

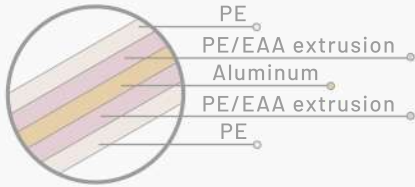
Tube structures

Tube productions



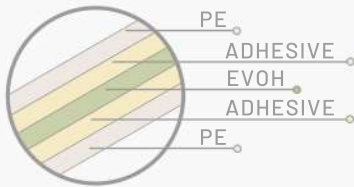
POLYLAMI Tubes

Laminate sheet → Side seam → External PE Layer → Head injection →
Decoration → Foil seal, cap assembly → Quality Assurance



ABL Tubes

Laminate sheet → Decoration → Side seam → Head injection →
Foil seal, cap assembly → Quality Assurance



Plastic Tubes

Tube extrusion → Head injection → Decoration → Foil seal, cap assembly
→ Quality Assurance

More customization options for plastic tubes:



Brushed-metal
(ABL Tubes)

It mimics unidirectional satin finishes on metal and creates an aesthetic pattern on ABL tubes.



Hot Stamping

The printing patterns are accentuated with a solid hot stamping foil metallic luster.



Screen Printing

It decorates surface with texts or images of thick, bold and glossy finish.



Flexo-Printing

It enables poster-quality images directly onto the full surface of plastic tubes.



Labeling

It enables layered and overlapping colors to realize inspiring designs.