

Made for professional skin care, POLYLAMI Tubes and ABL Tubes.



Aluminum barrier laminate tubes, or ABL tubes, are widely used for oral care, healthcare, pharmaceuticals, personal care, cosmetics, skincare, makeup, and hair treatment products. Comprised of aluminum/PET foil and PE, ABL tubes are equally compatible with solvent-based acid or alkaline products. The impermeable and impenetrable foil lamination provides superior protection to contents, keeping them fresh and uncontaminated even through long periods of intermittent use.



Brushed metal decoration on ABL tubes

The decoration mimics the unidirectional satin finish on metal and creates an aesthetic pattern on ABL tubes. On top of the brushed-metal finish, companies can apply silkscreen, hot stamping, offset, and flexo-printing to add further customization.

POLYLAMI tubes are the ABL tubes coated with additional PE layer for extra protection. Comparing to ABL tube, the key differences of POLYLAMI are:

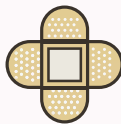


The aluminum mid-layer of ABL tube and POLYLAMI works to enhance compatibility with difficult ingredients such as products containing SPF formulas or active ingredients.



Beauty & Skincare

Long-lasting hair dye, SPF base foundation, Fragranced cream, Skin-brighten exfoliator



Healthcare & Pharma

Pharmaceutical cream, Ophthalmic ointment, Liquid Bandage



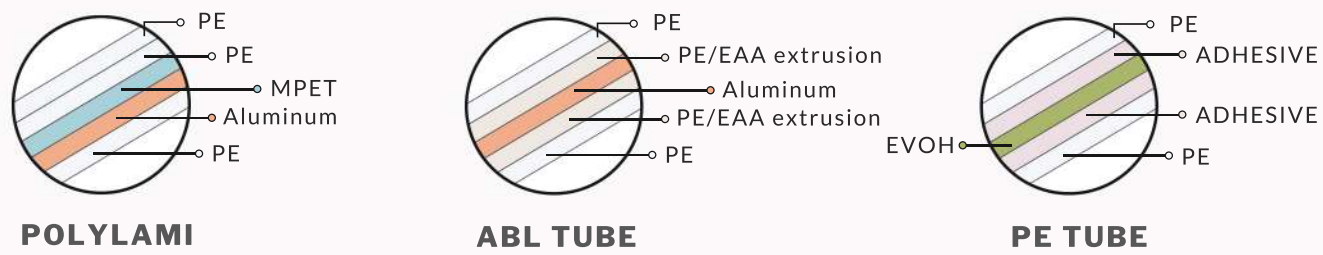
Household & Industrial

Toothpaste, Adhesive, Paint

With different production processes, POLYLAMI combines protection and optimized decoration with shapeable possibilities for the product in an advanced way.

Comparing POLYLAMI, ABL, and PE tubes			
Design & function differences	POLYLAMI	ABL TUBE	PE TUBE
Thickness	0.37mm-0.43mm	0.25mm-0.39mm	0.30mm-0.39mm
Round tube size feasibility	D16-50mm	D16-60mm	D10-60mm
Oval tube size feasibility	D22-50mm	D22-50mm	D22-50mm
Super oval tube size feasibility	D30, 35, 40, 50 mm	D30, 35, 40, 50 mm	D30, 35, 40, 50 mm
Seamless shoulder	✓	✗	✓
Metallic sheerness	✓	✓	✗
Barrier to block UV light	✓	✓	✗
Vapor and gas barrier	✓	✓	✓
Offset printing	✓	✓	✓
Labeling	✓	✓	✓
Silk screen printing	✓	✓	✓
Hot stamping	✓	✓	✓

Tube structures



Tube productions	
ABL Tubes	Laminate sheet → Decoration → Side seam → Head injection → Foil seal, cap assembly → QC
POLYLAMI Tubes	Laminate sheet → Side seam → External PE Layer → Head injection → Decoration → Foil seal, cap assembly → QC
Plastic Tubes	Tube extrusion → Head injection → Decoration → Foil seal, cap assembly → QC