





Product Selection Guide

FORMERRA PACKAGING SOLUTIONS

Caps, Closures, & Fitments



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Caps, closures and fitments are critical to ensuring packages of all types are properly sealed—and their design requires deep expertise. When it comes to material selection, choosing the proper resin is critical to the functionality of the overall product—including reliable sealing, protection of goods and consumer attractiveness.

At Formerra, we help you solve your toughest application challenges by providing a specialized approach to the latest material, colorant and additive technologies. With a dedication to sustainable solutions, technical and logistics expertise and innovative design engineering capabilities, we can help you mitigate risk, optimize design, and accelerate product commercialization.



Our Suppliers

You face a unique set of challenges when designing for the packaging industry. In addition to maintaining an effective manufacturing and supply chain operation, you're challenged with designing products that must meet strict regulatory and quality assurance standards. At Formerra, we help you achieve these goals with our comprehensive portfolio of leading suppliers, on-time delivery and a host of services focused on helping you succeed.

























Need support with bottles? We can help! Streamline your entire bottle-making process—from the bottle to the cap—with Formerra.

Caps, Closures, & Fitments

Applications include:

- Food & beverage packaging
- · Industrial chemical packaging
- Personal care products
- · Dairy bottles
- · Detergent bottles
- · Household cleaners

Packaging Solution Needs:

- · Excellent processability
- · Best-in-class taste and odor properties
- Exceptional barrier and seal performance
- · High temperature resistance
- Superior environmental stress crack resistance (ESCR)

Acrylonitrile Butadiene Styrene	
INEOS Styrolution Terluran®	High-flow, general purpose injection molding grade with good ductility, intended for moldings with thin walls and/or adverse flow length to wall ratio.
Copolyester	
Eastman Eastar" COPE	High-melt-strength copolyester designed for extrusion blow-molded bottles and jars.
Polycarbonate	
Covestro Makrolon® PC	Makrolon® has a very unique property profile. It is noted above all for its high transparency, heat resistance, toughness and dimensional stability coupled with a high creep modulus and good electrical insulation properties.
Polyethylene	
Chevron Phillips PE	High density polyethylene resins that have excellent melt strength, processability, and environmental stress-crack resistance to stiffness ratio.
Dow EVERCAP" (Sustainable Solution)	High density polyethylene (HDPE) with a balance of stiffness, toughness, ESCR, heat resistance and organoleptic properties; can be used to replace PP in existing tooling – DMDA 1241.
LyondellBasell Alathon® HDPE	High density polyethylene (HDPE) with easy processing characteristics and exhibits excellent toughness properties and color as well as low odor and good processing stability.
Westlake	Flexible low density polyethylene (LDPE) resin technology with a wide range of products with different levels of strength, stretch, clarity and puncture resistance.
Polypropylene	
INVISTA PP	A versatile thermoplastic resin available in a wide range of formulations from general purpose homopolymer, random copolymer and impact copolymer grades to highly specialized resins for engineering applications.
LyondellBasell Pro-Fax* PP	Typically used in injection molding applications and offers good cold temperature impact resistance.
Pinnacle Polymers PP	Homopolymers and impact copolymers that are proven performers providing excellent color and processability stability, good flow characteristics, and excellent organoleptic properties.
Avient PP	Homopolymers and copolymers formulated for demanding application which require high stiffness and good impact resistance. Impact strength, elastic modules and material strength across wide temperature ranges.
Polystyrene	
AmSty PS	AmSty general purpose polystyrene (GPPS) resins are designed to show exceptional clarity and attractive light-transmission properties, and provide chemical resistance.
Thermoplastic Polyester Elastomer	

Thermoplastic Polyester Elastomer

Celanese Hytrel®

Exceptional toughness and resilience, high resistance to creep, impact and flex fatigue, flexibility at low temperatures, good retention of properties at elevated temperatures, and resistance to industrial chemicals, oils and solvents.



At Formerra, we're prepared to help you mitigate risk, optimize design, and accelerate commercialization.



Take The Next Step

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We're Here To Help

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Market Intelligence

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Custom Formulations

Manufacturing Optimization

Technical Support

Supply Chain Optimization

Regulatory Compliance Support

Global Reach

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