



# Fire Safety Solutions

PRODUCT SELECTOR GUIDE

# Leading Sustainable Polymeric Fire Safety Platform

## SAYTEX ALERO™

- Sustainable and versatile brominated polymeric flame retardant for polyolefins and styrenics
- Supports antimony trioxide low and free formulations in some resin systems
- Enables a wide array of processing conditions and customizable material properties.

## SAYTEX® HP-3010

- Brominated polystyrene, ideal for high-temperature, high-flow applications, particularly in connectors
- Exceptional flow properties for better processability, especially in engineering thermoplastics
- Non-blistering performance with excellent resistance to yellowing at high temperatures
- Superior color and mechanical properties; excellent thermal and melt stability
- Lower loading levels compared to competitive brominated polystyrenes

## SAYTEX® HP-7010

- A high-temperature solution, particularly appropriate for connectors
- Outstanding thermal stability and electrical performance
- Suitable for engineering thermoplastic applications such as polyesters (PET, PBT, PCT) and polyamides (nylons)

## Trusted for Exceptional Fire Safety

Albemarle fire safety products help save lives and protect property while leading the industry through sustainable manufacturing, excellent stewardship practices, and continuous technological innovation. Polymer and wire and cable manufacturers around the world rely on our products and applications development to add life-saving properties to their materials—and so can you. Leveraging our expertise in flame retardant chemistry and fire safety, we provide innovative, effective, and environmentally sound solutions to meet your fire protection needs. Albemarle is at the forefront of ever-changing fire safety regulations worldwide, with the goal of assuring that our customers meet or exceed standards today while making positive decisions for future development and production.

## SAYTEX Modern Fire Safety Solutions

### PREMIUM FIRE SAFETY AND ENVIRONMENTAL PERFORMANCE

Through our family of polymeric brominated flame-retardant products, Albemarle is proud to offer a growing line of both trusted flame retardant technologies and new breakthrough solutions that help save lives and protect property, while preserving the environment. This is the largest polymeric fire safety solution platform available today—a suite of recyclable products composed of large molecules unlikely to be absorbed by humans and organisms in the environment. All of Albemarle's SAYTEX® products follow strict environmental standards, including RoHS, and green chemistry principles.

Application	SAYTEX ALERO™	SAYTEX HP-3010	SAYTEX HP-7010	SAYTEX 621	SAYTEX 8010	SAYTEX BT-93 BT-93W	SAYTEX CP-2000	SAYTEX RB-79 and blends	SAYTEX RB-49
THERMOPLASTICS									
ABS	●				●	●	●		
HIPS	●				●	●			
Polyamide		●	●		●				
High-Temperature Polyamide		●							
Polyester	●	●	●	●	●	●			
Polycarbonate							●		
Polypropylene	●				●	●			
Polyethylene/ Copolymers	●				●	●			
Alloys (PC/ABS, HIPS/ PPE)	●				●	●			
Elastomers	●				●	●			
FOAMS									
Extruded Polystyrene									
Expanded Polystyrene									
Rigid Polyurethane								●	
Polyolefins					●	●			
PVC/Nitrile					●				
WIRE AND CABLE									
EPDM					●	●			
Polypropylene					●	●			
PE/EVA					●	●			
XLPE/EVA					●	●			
PVC/TPU					●				
THERMOSETS									
Epoxy					●		●		
Phenolic					●				
Unsaturated Polyester							●		●
Vinyl Esters							●		●
SMC/BMC									●
Polyurea								●	
TEXTILES, COATINGS AND ADHESIVES									
Backcoatings					●	●			
Adhesives					●	●			
Fibers		●							
PU/CASE								●	
Chemical name	Brominated polymer	Brominated polystyrene	Brominated polystyrene	Brominated polystyrene	Ethane-1,2-bis (pentabromophenyl)	Ethylene-bis (tetrabromophthalimide)	Tetrabromobisphenol-A	Tetrabromophthalic anhydride diester/ether diol	Tetrabromophthalic anhydride
Form	Powder	Pellets	Powder or granules	Pellets	Powder	Powder	Powder	Liquid	Powder

This list features the most used Albemarle flame retardants. Others are available for special applications, and new products are added often.

**Additive** ●

**Reactive** ●



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

**Learn more about Albemarle's Fire Safety Solutions at [www.albemarle.com/what-we-offer/solutions/flame-retardants](http://www.albemarle.com/what-we-offer/solutions/flame-retardants).**

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