



Fire Safety Solutions

PRODUCT SELECTOR GUIDE

Most Versatile Polymeric Fire Safety Platform

SAYTEX ALERO™

- 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 solution for high-temperature applications, 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 solutions to meet your fire protection needs. Albemarle is at the forefront of the 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

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, all while promoting environmental stewardship with a suite of industrially recyclable products. All of Albemarle's SAYTEX® products follow strict environmental standards, including RoHS.

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

Learn more about Albemarle's Fire Safety Solutions at albemarle.com/fire-safety-solutions

SAYTEX is a trademark of Albemarle Corporation. The information presented herein is believed to be accurate and reliable but is presented "as is" and without guarantee or responsibility on the part of Albemarle Corporation or its subsidiaries and affiliates ("Albemarle"). ALBEMARLE DISCLAIMS: (1) ALL EXPRESS AND IMPLIED WARRANTIES REGARDING THE INFORMATION HEREIN, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE; AND (2) ALL LIABILITY FOR DAMAGES, EXPENSES, AND OTHER AMOUNTS ASSOCIATED WITH SUCH INFORMATION. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any information contained herein, including information about any health or safety hazards, only as a guide, and should take those precautions that are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein described materials or processes in violation of existing or future patents.