

Albemarle Fire Safety Solutions: Bringing Superior Value to Our Strategic Partners

Our highly skilled Customer Applications and Technical Service (CATS) team provides a level of technical and analytical support that is unmatched by others in the industry. Our technical experts and our comprehensive lab capabilities work hand-in-hand to provide unparalleled support to our key customers. Striving always for high quality and continuous improvement, we're the ideal partner to meet your fire safety needs.

Flame Retardant Formulation Development



Extrusion

Multiple SS, TS options

Injection Molding

26 quick-change molds
30- and 80-ton machines



Flammability Testing

UL-94, LOI, HB, NFPA 701, glow wire, etc.



Cone Calorimetry

World-Class
Analytical Deformation
FTIR, ICP, NMR, SEM/EDX, etc.



Fabric Coating

Polyurethane
Formulation and Testing

UV Weatherometer

Electrical

Dielectric strength and constant,
DF, CTI, volume and sfc resistivity



Mechanical / Thermal

Tensile, flex, elongation, IZOD,
Charpy, Gardner impact, MFI
Capillary rheometry, HDT, VICAT, color

These sophisticated capabilities, found at our Process Development Center in Baton Rouge, Louisiana, demonstrate how our flame retardant additives slow existing fires or stop fires before they can begin.

 ALBEMARLE®

A Closer Look: Expertise in Polyurethane Insulation Foam

We provide more than high quality products. Our knowledgeable and experienced team is ready to share world-class formulations and testing assistance with our potential strategic partners.

We can support you in a number of areas:

- Provide product selection for customer-specific foam recipes
- Develop starter formulations that can be optimized
- Create turnkey formulations with support from a variety of tests and evaluation equipment, which measure important properties of insulation foam: fire performance, density, dimensional stability and more
- Spray polyurethane foam and prepare small-scale panel foams
- Quickly derive optimized formulations through statistical design of experiments
- Provide sample flame retardants to shorten development time, expedite formulations to market, and produce greater sales opportunities

Are you ready to take advantage of our unique approach to customer and technical support? **Let's partner together.**

Contact your Albemarle sales representative to get started.



Bromine@albemarle.com | www.albemarle.com



4350 Congress Street, Charlotte,
North Carolina, United States

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Albemarle Corporation and its subsidiaries to ensure the accuracy or reliability of the information.

