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.
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.

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