

PRODUCT BULLETIN

Cesa™ Flame Retardant Additives

Cesa™ Flame Retardant Additives allow manufacturers to design with increased confidence for critical flame and smoke applications. These additive solutions create a char or gas that reduces oxygen at the source of flame, leading to components that become self-extinguishing, and potentially lowering the heat release rate over time. Fire time to ignition is increased while heat release and fire spread are reduced, resulting in enhanced fire safety for life and property.

STAYING COMPLIANT

With an increasing demand for fire safety, new fire-related legislation and restrictions have become an expectation. Using Cesa Flame Retardant Additives ensures that today's stringent building safety codes and other regulations are met.

Manufacturers have the ability to design and validate to meet UL criteria, and FM approval standards, including:

- UL94 V-0
- UL94 V-1
- UL94 V-2
- UL2335
- UL94 HB
- UL94 5VA
- UL94 5VB
- FM4998

NON-HALOGENATED CHOICES

In addition to standard halogenated options, Cesa Flame Retardant Additives are also available as non-halogenated formulations. These more environmentally mindful choices are especially well suited for areas where smoke lessening and toxicity are of concern, such as closed spaces or restricted escape.

Both halogen and non-halogenated formulations are available for use across a variety of resins and can be customized for specific needs.

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TARGET APPLICATIONS

- Aerospace
- Appliances
- Automotive, including electric vehicles
- Building & construction
- Electrical & electronics
- Public transportation
- Recreational vehicles, bikes & scooters
- Wire & cable

IMPACT

- Reduce spread of fire and heat release
- Limit quantity of smoke to allow people to find their way to safety more easily
- Limit toxicity and acidity of gases so people are less likely to be overcome by fumes
- Enhance char formation, avoiding droplets which can proliferate fire
- Meet regulation and legislation requirements

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