ENABLING TECHNOLOGIES

FLAME RETARDANTS

FLAME RETARDANT SOLUTIONS

Techmer PM formulates flame retardant compounds across a wide resin spectrum tailored for diverse applications including electrical, automotive, aerospace, and building materials.

TECHMER *PM*
POLYMER MODIFIERS

IF YOU DREAM IT, WE ENABLE IT.

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FLAME RETARDANTS

Techmer PM offers custom halogenated and non-halogenated flame retardant (FR) solutions.

We understand that formulating, testing, and producing FR compounds is critical to the safety of many components that have moved to plastic over the years.

Our expertise in FR formulations includes:

- Resin systems from EVA to PEEK.
- Capable in formulating various FR technologies.
- Non-halogenated options with deep formulation expertise.
- FR in combination with fillers, colors, UV, antistat, and other additives.

APPLICATIONS

- Automotive
- Aerospace
- Building & Construction
- Furniture
- Safety Equipment
- Electrical Appliances & Household (HiFill® FR)
- Telecom (HiFill® FR)
- Business Equipment (HiFill® FR)

TESTING

Techmer PM has the necessary equipment and knowledge to measure the performance of FR technology by measuring:

- After flame
- Afterglow
- Burning drips
- Buring rate
- Char length

We can perform various flame tests, including UL 94, NFPA 701, and ASTM D6413, ensuring our products meet the highest safety standards.

HOW CAN WE HELP?

Techmer has a range of UL yellowcards and can work with the UL regulatory group to generate new cards for existing or new applications.

We work closely with our customers to develop customized solutions that meet their unique needs, whether achieving a specific UL 94 rating or addressing other performance criteria.

HIFILL® FR

HiFill® FR is a cost-effective material solution for structural components and metal replacement opportunities where flammability resistance and conformance to UL 94 and other FR compliance standards are required.

HIFILL® FR BENEFITS

- Flammability resistance
- Agency compliance

TYPICAL CHEMISTRIES

- Fluorinated and non-fluorinated anti-drips
- Halogen
- Mineral fillers
- Non-halogen

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