

NON-HALOGENATED FR FOAM

Regulation of halogenated FR is always on the rise. Countries and states are beginning to tighten restrictions. For example, New York has **prohibited halogenated FRs and phosphorus-bromine FRs for use in residential upholstered furniture, effective July 1, 2022**, sending companies **searching for alternative solutions**.

PE Foam

Understanding the need for non-halogenated foam options, we began the process of developing a non-halogenated PE foam. This grade will address needs in the general market for replacing the current halogenated FR applications.

The material has shown passing results on the following test methods:

- FMVSS-302 NBR-SE
- UL94 Horizontal
- FAA 12 and 60 seconds vertical burn
- ASTM E 84 Class I

PP Foam

Non-halogenated FR PP Foam – LHR can be used in aerospace because of its physical properties meeting or exceeding FAA regulations for heat release, vertical burn, smoke density, and toxic gas emissions.

Testing specifications for LHR:

- Vertical Burn – 12sec/60sec.
- Heat Release 65/65
- Smoke Density
- Toxicity Gas Emission - Flaming
- Toxicity Gas Emission – Non-Flaming

POSSIBLE APPLICATIONS

- First-class aviation wall panels
- Class dividers
- Premium seating

**TO SEE IF THIS INNOVATIVE FOAM
WOULD BE A SOLUTION FOR YOUR
APPLICATION,**

**Contact our Research and
Development Manager at
Keigo.Shimura@sekisuivoltek.com.**

FAR 25.853(a) App. F Part I
FAR 25.853(d) App. F Part IV
FAR 25.853(d) App. F Part V
BSS7239/AITM3.0005
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