

# Flame retardant compounds

Innovative materials where reduced flammability is needed.



LYB provides solutions in electrification through its flame retardant (FR) compounds. Offering the same high-performance characteristics as many of our other thermoplastic and thermoset compounds, this added flame resistance is important in many high-heat or sensitive applications.

## Portfolio overview

- Flame retardant compounds across a variety of resin systems and filler types
- An extensive list of Underwriters Laboratory (UL) recognized grades
- HB through 5VA classifications in thermoplastics
- Compounds with elevated Relative Thermal Index (RTI), suitability for outdoor exposure (f1/f2), and electrical testing (HWI, HAI, CTI, HVTR, and dielectric)
- Variety of resin systems with large percentage of recycle content
- Several grades allowing up to 75% regrind usage
- Grades with low smoke density and toxicity
- Non-halogenated grades

## Typical applications



Battery cases



Charging stations



Home appliances



Electrical & electronics



HVAC systems



Meters

# About us

We are LyondellBasell (LYB) – a leader in the global chemical industry creating solutions for everyday sustainable living. Through advanced technology and focused investments, we are enabling a circular and low carbon economy. Across all we do, we aim to unlock value for our customers, investors and society. As one of the world's largest producers of polymers and a leader in polyolefin technologies, we develop, manufacture and market high-quality and innovative products for applications ranging from sustainable transportation and food safety to clean water and quality healthcare. For more information, please visit [www.lyb.com](http://www.lyb.com) or follow [@LyondellBasell](https://www.linkedin.com/company/lyondellbasell) on LinkedIn.

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