

# NON-HALOGENATED FLAME RETARDANT TECHNOLOGY



**WASHINGTON PENN**  
An **AUDIA** Company

Formulate Great.™

# BRING THE HEAT.

Raise the bar with Washington Penn's non-halogenated flame retardant technology. Our product can provide environmentally friendly alternatives to regulatory challenged FR systems and be designed for a variety of polyolefin products, including glass reinforced, mineral reinforced, TPO compounds, masterbatches, and unfilled polyolefins. These solutions are designed for industries seeking to improve sustainability and eliminate halogens in applications requiring flame retardants.

Washington Penn's custom formulated materials meet a variety of flammability standards and structural specifications. Our non-halogenated flame retardant chemistries are RoHS compliant and can lower smoke generation and toxicity in comparison to brominated flame retardant formulations. Regardless of your requirements, we can engineer our non-halogenated products to match existing tool shrinkage and performance characteristics.

Ready to customize? Contact the Washington Penn team to start formulating great.

## Applications

- **Vehicle electric systems**
- **Roofing & shingles**
- **Electronics**
- **Office furniture**
- **Appliance**
- **Medical devices**
- **Building interiors**

## Key Characteristics

- **Halogen free**
- **Low smoke**
- **Low toxicity**
- **CAL133 performance**
- **RoHS compliant**
- **Potential density**
- **UL approvals**
  - **UL94, HB, V0, 5VA**

[www.washingtonpenn.com](http://www.washingtonpenn.com)

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