



➤ PRODUCT OVERVIEW

Cesa™ Flame Retardant Additives PTFE-free and Non-halogen for Polycarbonate

Polycarbonate is a material of choice for E&E products as it provides very good impact strength, dimensional stability, and heat resistance. Some applications require the use of flame-retardant solutions to increase safety and ensure compliance with fire hazard standards. Polytetrafluoroethylene (PTFE), which is classed as a per- and polyfluoroalkyl substance (PFAS), is often used as an anti-drip agent. There are growing concerns over the health hazard of PFAS, and a strong push from regulatory bodies and companies to progressively ban them.

Avient's PTFE-free and non-halogen Cesa™ Flame Retardant Additives for polycarbonate are formulated without PTFE and are non-halogen in accordance with the IEC 61249-2-21 standard. They are developed to achieve GWFI 960°C ratings with a maximum of 30 seconds post combustion time. Provided in the form of additive concentrates, they can be combined with colors and other additives for a solution tailored to customers' needs. They also offer the ability for producers seeking more flexibility in managing plastic material inventory to store large quantities of virgin or recycled resin and order flame-retardant concentrates as needed for individual projects.

APPLICATIONS

- Electrical and electronic enclosures and housings
- Junction boxes
- Switches, connectors and plugs
- Power outlet components
- Covers and windows in E&E parts

BENEFITS

- Formulated without PTFE which is typically used as anti-drip agent
- Non-halogen in accordance with the IEC 61249-2-21 standard
- Achieves GWFI 960°C temperature (with max. 30 sec post combustion time) according to IEC 60695-2-12
- Can be combined with colors and other additives for added convenience and increased performance

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