

Frequently asked questions

Energy lives here™

Q: What is the physical appearance of Elevast™ polymer modifier?

A: Elevast is a colorless, odorless fluid with exceptional high purity and low volatility.

Q: How is Elevast incorporated into polymers?

A: Any standard single or twin-screw extruder can be used to incorporate Elevast into a polymer. It is recommended that Elevast be injected into a barrel section within the melt zone. Homogeneous incorporation also can be achieved by direct feeding of Elevast into the feed throat along with polymer. A mixing element is recommended for single-screw extrusion.

Q: What is the typical loading level of Elevast?

A: The loading level will depend on the polymer system and application requirements. Many polyolefin formulations could achieve the target property at a loading level of less than 5 wt%.

Q: What are the criteria for selecting an optimum Elevast grade?

A: Criteria include polymer type, performance targets, service temperature and product life requirements. In general, lower viscosity Elevast grades are preferred for cold temperature and high toughness requirements, and higher viscosity Elevast grades are preferred for high temperature, long-term permanency requirements.

Q: Is Elevast compatible with other additives commonly used?

A: There is no known interference of Elevast with traditional polyolefin additive systems, including stabilizers, nucleating agents, inorganic fillers, viscosity-breaking or cross-linking agents, flame retardants, colorants and release agents.

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