Perovion®

Product Name : Perovion® AAP-TBPB L27

CAS number :

- Diacetone alcohol : 123-42-2
- Acetylacetone peroxide : 37187-22-7
- tert-Butyl peroxybenzoate (TBPB) : 614-45-9
- Diethylene glycol : 111-46-6
- Acetylacetone : 123-54-6

Chemical Type : Peroxide blend of acetylacetone peroxide (AAP) and tert-butyl peroxybenzoate (TBPB) in solvent

Business Unit : Organic Peroxides

1. Product Description

Perovion® AAP-TBPB L27 is a fast-reacting peroxide blend based on acetylacetone peroxide and tert-butyl peroxybenzoate. It is designed for the curing of unsaturated polyester resins at elevated temperatures in combination with a cobalt accelerator. The formulation is intended for processes requiring rapid curing response and consistent performance under controlled thermal conditions.

2. Typical Applications

- Curing of unsaturated polyester resins (UPR)
- Continuous laminating processes
- Resin transfer moulding (RTM)
- Filament winding
- Centrifugal casting

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Appearance	–	Clear liquid	Visual

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Property	Unit	Typical Value	Test Method
Color	Pt-Co / APHA	≤100	Internal
Total active oxygen	%	4.3–4.7	Internal
Density (20 °C)	g/cm³	~1.05	Internal

Note: Typical values are indicative only and do not constitute a specification.

4. Recommended Use

Perovion® AAP-TBPB L27 is intended for use in polyester resin systems cured at elevated temperatures with cobalt accelerators. Actual curing behavior depends on resin formulation, accelerator type and level, peroxide dosage, and processing conditions. Users should determine suitability and optimize dosage through application-specific trials.

5. Packaging & Logistics

Perovion® AAP-TBPB L27 is supplied in standard industrial packaging formats, subject to confirmation at the quotation stage. Packaging and transport comply with applicable international regulations for organic peroxides.

- UN classification: Organic peroxide type E, liquid (UN 3107)
- Incoterms: FOB / CFR / CIF (as specified in quotation)

Lead time: Indicative lead time provided at quotation and confirmed upon order acceptance

6. Quality & Documentation

Each batch of Perovion® AAP-TBPB L27 is released under Innovexar QA standards with a COA, with regulatory safety and transport documentation and full digital batch traceability.

6. Handling & Storage

Perovion® AAP-TBPB L27 should be stored in its original, tightly closed containers under controlled conditions at –5 °C to 25 °C, in a dry, well-ventilated area away from heat, ignition sources, and direct sunlight.

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