Perovion®

Product Name : Perovion® TAPEH L12

CAS number : 686-31-7

Chemical Type : tert-Amyl peroxy-2-ethylhexanoate

Business Unit : Organic Peroxides

1. Product Description

Perovion® TAPEH L12 is a liquid perester organic peroxide designed for initiating the (co)polymerization of acrylates and methacrylates over a mid-temperature range. It can be applied in bulk, solution, and suspension polymerization, and is also suitable for selected styrenic and vinyl acetate–based copolymer systems.

2. Typical Applications

- (Co)polymerization of acrylates and methacrylates
- Suspension, solution, and bulk polymerization processes
- Copolymerization of styrene and acrylonitrile
- Vinyl acetate–based copolymers
- Selected polymer production and acrylic applications

Typical application temperature range: ~70–120 °C, subject to formulation and process design.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	Clear liquid	Visual
Assay	%	≥95.0	Internal
Active oxygen	%	6.60 – 6.95	Internal
Hydroperoxides (as TAHP)	%	≤0.20	Internal
Molecular weight	–	230.3	Calculated

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

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4. Recommended Use

Perovion® TAPEH L12 is typically selected where controlled initiation is required within a moderate temperature window. Dosage, initiator combinations, and process conditions should be evaluated and validated by the user to meet target conversion, molecular weight, and process safety requirements.

5. Packaging & Logistics

Perovion® TAPEH L12 is supplied in standard industrial liquid packaging formats (e.g., HDPE containers), subject to confirmation at the quotation stage.

Minimum order quantities depend on packaging configuration and destination requirements.

- Incoterms: FOB / CFR / CIF (as specified in the quotation)

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

6. Quality & Documentation

Each batch of Perovion® TAPEH L12 is released under Innovexar Quality Assurance standards and is accompanied by a batch-specific Certificate of Analysis (COA).

Safety Data Sheets (SDS) and relevant transport documentation are provided in accordance with destination regulatory requirements. Full batch traceability is maintained through digitized QA documentation systems.

7. Handling & Storage

Perovion® TAPEH L12 should be stored in its original, tightly closed containers in a dry, well-ventilated area away from heat sources and direct sunlight.

- Recommended maximum storage temperature: ≤5 °C

Avoid contact with reducing agents, acids, alkalis, amines, or heavy metal compounds. Refer to the SDS for detailed safety and handling instructions.

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