Perovion®

Product Name : Perovion® TAEH L12-80

CAS number : 15667-10-4

Chemical Type : 1,1-Di(tert-amylperoxy)cyclohexane

Business Unit : Organic Peroxides

1. Product Description

Perovion® TAEH L12-80 is a liquid organic peroxide initiator supplied as an approximately 80% active solution in an inert hydrocarbon carrier. It is designed as a mid-range initiator for curing unsaturated polyester and vinyl ester resin systems at elevated temperatures, offering controlled decomposition behavior and good processing stability.

2. Typical Applications

Thermoset composites, including:

- Prepreg
- Premix
- BMC / TMC
- SMC
- Pultrusion
- Selected polymer production applications

Perovion® TAEH L12-80 is suitable for processes requiring a balance between reactivity and shelf-life, particularly in catalyzed BMC and SMC formulations.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	Clear liquid	Visual
Assay (active ingredient)	%	~80	Internal
Molecular weight (active)	–	288.4	Calculated

© 2026 Innovexar. All rights reserved.

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

4. Recommended Use

The dosage and curing profile of Perovion® TAEH L12-80 depend on resin formulation, processing method, and operating temperature. Initiator concentration and processing windows should be evaluated and validated by the user prior to production use. Standard organic peroxide handling and dosing procedures must be followed.

5. Packaging & Logistics

Perovion® TAEH L12-80 is supplied in standard industrial liquid packaging formats, 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® TAEH L12-80 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® TAEH L12-80 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: ≤30 °C

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

© 2026 Innovexar. All rights reserved.