Perovion®

Product Name : Perovion® DHBP L10

CAS number : 78-63-7

Chemical Type : 2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane

Business Unit : Organic Peroxides

1. Product Description

Perovion® DHBP L10 is a bifunctional liquid organic peroxide designed for polymer crosslinking and polymer production processes. It provides controlled radical generation at elevated temperatures and is suitable for applications requiring good scorch safety and efficient crosslinking performance.

2. Typical Applications

- Crosslinking of natural rubber
- Crosslinking of synthetic rubbers
- Crosslinking of polyolefins
- Selected polymer production and acrylic systems

Rubber compounds containing Perovion® DHBP L10 typically exhibit good scorch safety. Processing and curing behavior depend on formulation and operating conditions.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	Clear liquid	Visual
Assay	%	≥ 92.0	Internal
Active oxygen content	%	~11.0	Calculated
Molecular weight	–	290.4	Calculated

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

4. Recommended Use

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The dosage and use conditions of Perovion® DHBP L10 depend on polymer type, formulation, and processing parameters. Safe processing temperatures and curing profiles 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® DHBP L10 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® DHBP L10 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® DHBP L10 should be stored in its original, tightly closed containers in a dry, well-ventilated area away from heat sources and direct sunlight.

- Recommended storage temperature range: ~10 °C to 40 °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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