Perovion®

Product Name : Perovion® DTMHP L36-75

CAS number : 3851-87-4

Chemical Type : Di(3,5,5-trimethylhexanoyl) peroxide

Business Unit : Organic Peroxides

1. Product Description

Perovion® DTMHP L36-75 is a liquid diacyl organic peroxide supplied as an approximately 75% solution in an inert hydrocarbon carrier. It is an efficient initiator for free-radical polymerization processes and is widely used in high-pressure ethylene polymerization as well as suspension polymerization of vinyl chloride.

2. Typical Applications

- High-pressure ethylene polymerization (autoclave and tubular processes)
- Suspension polymerization of vinyl chloride (PVC) (~50–70 °C)
- Selected (co)polymerization of acrylates and methacrylates

In practice, Perovion® DTMHP L36-75 is often combined with other peroxides of different reactivities to achieve a broader polymerization temperature window.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	Clear liquid	Visual
Assay	%	74.0 – 76.0	Internal
Active oxygen (total)	%	3.76 – 3.87	Internal
Active oxygen (peroxide)	%	~5.09	Calculated
Color	Pt-Co (APHA)	≤20	Internal
Density (0 °C)	g/cm³	~0.885	Internal

© 2026 Innovexar. All rights reserved.

Property	Unit	Typical Value	Test Method
Viscosity (0 °C)	mPa·s	~13.0	Internal
Molecular weight (active)	–	314.5	Calculated

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

4. Recommended Use

Perovion® DTMHP L36-75 is typically used as an initiator for LDPE polymerization and PVC suspension polymerization where controlled initiation at moderate temperatures is required. Initiator combinations, dosage, and temperature profiles should be evaluated and validated by the user prior to production use. Standard organic peroxide handling procedures must be followed.

5. Packaging & Logistics

Perovion® DTMHP L36-75 is supplied in standard industrial liquid packaging formats (e.g., 30-L 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® DTMHP L36-75 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® DTMHP L36-75 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: ~−25 °C to 0 °C

© 2026 Innovexar. All rights reserved.