Perovion®

Product Name : Perovion® TEPO L30

CAS number : 24748-23-0

Chemical Type : 3,6,9-Triethyl-3,6,9-trimethyl-1,4,7-triperoxonane (TEPO)

Business Unit : Organic Peroxides

1. Product Description

Perovion® TEPO L30 is a liquid organic peroxide initiator designed for the production of controlled rheology polypropylene (CR-PP) and selected polymer production applications. It provides efficient radical generation at elevated temperatures and allows precise control of polypropylene melt flow properties in extrusion processes.

2. Typical Applications

- Controlled rheology polypropylene (CR-PP) production (visbreaking)
- Polymer production applications
- Selected acrylic polymerization systems

Perovion® TEPO L30 is typically applied in extrusion processes where accurate control of melt flow index (MFI) is required.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	Clear to slightly hazy	Visual
Active oxygen	%	7.3 – 7.6	Internal
Active oxygen (peroxide)	%	~18.2	Calculated
Density (20 °C)	g/cm³	~0.875	Internal
Viscosity (20 °C)	mPa·s	~5	Internal
Color	Pt-Co (APHA)	≤50	Internal

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Property	Unit	Typical Value	Test Method
Molecular weight	–	264.3	Calculated

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

4. Recommended Use

Perovion® TEPO L30 is typically used in polypropylene extrusion processes operated at elevated temperatures. Dosage and processing conditions should be evaluated and validated by the user to achieve the desired MFI while maintaining safe and stable operation.

5. Packaging & Logistics

Perovion® TEPO L30 is supplied in standard industrial liquid packaging formats (e.g., 30-L 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® TEPO L30 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® TEPO L30 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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