Perovion®

Product Name : Perovion® TAPP L12

CAS number : 29240-17-3

Chemical Type : tert-Amyl peroxypivalate

Business Unit : Organic Peroxides

1. Product Description

Perovion® TAPP L12 is a liquid perester organic peroxide supplied as an approximately 70% solution in an inert hydrocarbon carrier. It is an efficient initiator for free-radical (co)polymerization processes and is widely used in LDPE production as well as PVC suspension polymerization, providing controlled initiation at moderate temperatures.

2. Typical Applications

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3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	Clear liquid	Visual
Assay	%	69.0 – 71.0	Internal
Active oxygen (total)	%	5.87 – 6.04	Internal
Active oxygen (peroxide)	%	~8.50	Calculated
Color	Pt-Co (APHA)	≤20	Internal
Density (10 °C)	g/cm³	~0.880	Internal
Viscosity (10 °C)	mPa·s	~1.02	Internal

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Property	Unit	Typical Value	Test Method
Hydroperoxides (as TBHP)	%	≤0.10	Internal
Hydrolysable chloride (inorg. +	mg/kg	≤150	Internal
Molecular weight (active)	–	188.3	Calculated

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

4. Recommended Use

Perovion® TAPP L12 is typically used as an initiator for LDPE polymerization and PVC suspension polymerization where moderate-temperature initiation and good control of reaction rate are required. Initiator combinations, dosage, and temperature profiles should be evaluated and validated by the user prior to production use.

5. Packaging & Logistics

Perovion® TAPP L12 is supplied in standard industrial liquid packaging formats (e.g., 30-L HDPE cans, ~25 kg peroxide solution), 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® TAPP L12 is released under Innovexar Quality Assurance standards and is accompanied by a batch-specific Certificate of Analysis (COA).

7. Handling & Storage

Perovion® TAPP L12 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: ~−30 °C to −10 °C
- Ts max.: ~−10 °C (to minimize quality loss)

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