Perovion®

Product Name : Perovion® LPO FLA

CAS number : 105-74-8

Chemical Type : Dilauroyl Peroxide (DLP)

Business Unit : Organic Peroxides

1. Product Description

Perovion® LPO FLA is a dilauroyl peroxide (DLP) organic peroxide designed for use as a free-radical initiator in medium-temperature polymerization processes. It is suitable for applications requiring controlled initiation in the temperature range typically associated with acrylics and related polymer systems.

2. Typical Applications

Perovion® LPO FLA is typically used as an initiator for the polymerization of methyl methacrylate and related monomers. It may also be applied in polymer production, thermoset composites, and acrylics systems depending on formulation design and processing conditions. Actual suitability and performance depend on monomer composition, initiator dosage, and operating temperature applied by the user.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	Solid	Visual
Appearance	–	White powder	Visual
Assay	%	≥99.0	Internal Method
Active oxygen content	%	~4.0	Internal Method
Melting point	°C	~54	Internal Method
Bulk density	kg/m³	~460	Internal Method

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

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4. Recommended Use

Perovion® LPO FLA is intended for use as a free-radical initiator in polymerization systems operating at medium temperatures. Initiator concentration and temperature profile should be determined and validated by the user based on specific formulation and equipment requirements. Standard organic peroxide handling procedures must be followed. Detailed guidance on safe handling and storage is provided in the Safety Data Sheet (SDS).

5. Packaging & Logistics

Perovion® LPO FLA is supplied in standard industrial packaging formats, subject to confirmation at the quotation stage. Minimum order quantities depend on packaging configuration and destination requirements. The product is offered under standard Incoterms such as FOB, CFR, or CIF, as specified in the quotation. Indicative lead times are provided at quotation and confirmed upon order acceptance.

6. Quality & Documentation

Each batch of Perovion® LPO FLA is released under Innovexar Quality Assurance standards and is accompanied by a batch-specific Certificate of Analysis (COA). Safety Data Sheets 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® LPO FLA should be stored in its original, tightly closed containers, away from heat sources and direct sunlight. Storage temperatures should be maintained within recommended limits to preserve product integrity. Contamination must be avoided, and peroxide-specific safety procedures should be strictly observed during handling and storage. Refer to the SDS for detailed safety instructions.

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