Perovion®

Product Name : Perovion® BPO P-L75

CAS number : 94-36-0

Chemical Type : Dibenzoyl Peroxide (BPO), 75% with water

Business Unit : Organic Peroxides

1. Product Description

Perovion® BPO P-L75 is a water-wetted dibenzoyl peroxide (BPO) formulated as a counterpart to Perkadox® L-W75-type initiators. Supplied as a phlegmatized white granular powder, it provides controlled radical generation for polymerization processes conducted in the 80–100 °C range, offering reliable initiation efficiency across a range of monomer systems.

2. Typical Applications

Perovion® BPO P-L75 is typically used as an initiator for the polymerization of styrene, and for the polymerization and copolymerization of (meth)acrylonitrile, vinyl acetate, tetrafluoroethylene, divinylbenzene, para-methylstyrene, and diallyl phthalate. It serves polymer production, thermoset composite, and acrylics production applications. Actual suitability and performance depend on monomer system, initiator combination, and operating conditions applied by the user.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	Solid (granular powder)	Visual
Appearance	–	White granular powder	Visual
Assay	%	74.0–76.0	Internal Method
Bulk density (20 °C)	kg/m³	~630	Internal Method
Active oxygen	%	4.88–5.02	Internal Method

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

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4. Recommended Use

Perovion® BPO P-L75 is intended for use as a polymerization initiator for styrene homo- and copolymerization in the 80–100 °C range, and for other (meth)acrylate, vinyl, and diallyl monomer systems. Initiator dosage, polymerization temperature, and potential combination with other initiators should be determined and validated by the user based on specific reactor design and formulation 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® BPO P-L75 is supplied in standard industrial packaging formats, such as cardboard cartons with polyethylene-bag-lined inner packaging (e.g., 4 × 6.7 kg), 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® BPO P-L75 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® BPO P-L75 should be stored in its original, tightly closed containers in a dry, well-ventilated place away from heat sources, ignition sources, and direct sunlight, at a maximum storage temperature of 40 °C (SADT 80 °C). Avoid contact with reducing agents (e.g., amines), acids, alkalis, and heavy metal compounds. Under recommended storage conditions, the product remains within specification for at least 3 months after delivery. Refer to the SDS for detailed safety instructions.

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