Perovion®

Product Name : Perovion® DCP PBC

CAS number : 80-43-3

Chemical Type : Dicumyl Peroxide (DCP)

Business Unit : Organic Peroxides

1. Product Description

Perovion® DCP PBC is a dicumyl peroxide (DCP) organic peroxide designed for high-temperature polymerization and polymer crosslinking applications. It is suitable for processes requiring controlled radical generation at elevated temperatures and is commonly used to enhance polymerization efficiency in mass and bulk systems.

2. Typical Applications

Perovion® DCP PBC is typically used in polymer production and polymer crosslinking processes, including styrenics polymerization and related high-temperature applications. It may also be applied as a synergistic co-agent in formulations designed to modify polymer performance characteristics. Actual suitability and performance depend on formulation design, processing conditions, and end-use requirements defined by the user.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	Solid	Visual
Appearance	–	White crystals	Visual
Active oxygen content	%	~5.9	Internal Method
Assay	%	≥99.0	Internal Method
Density	g/cm³	~1.11	Internal Method
Melting point	°C	~39–40	Internal Method

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

4. Recommended Use

Perovion® DCP PBC is intended for use in high-temperature polymerization and crosslinking systems. Dosage level, processing temperature, and residence time 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® DCP PBC 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® DCP PBC 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® DCP PBC 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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