Perovion®

Product Name : Perovion® BPIC L75

CAS number : 2372-21-6

Chemical Type : tert-Butylperoxy isopropyl carbonate (BPIC), 75% solution

Business Unit : Organic Peroxides

1. Product Description

Perovion® BPIC L75 is an aliphatic percarbonate organic peroxide designed for the curing of unsaturated polyester resins at elevated temperatures. It is formulated to provide controlled reactivity and stable processing behavior in moulding and composite applications requiring efficient curing and good surface quality.

2. Typical Applications

Perovion® BPIC L75 is typically used in thermoset composite applications such as hot press moulding formulations, including SMC, DMC, and BMC systems. It may also be applied in polymer production and acrylics processes depending on formulation design and curing temperature. Actual suitability and performance depend on resin formulation, peroxide combination, and processing conditions applied by the user.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	Liquid	Visual
Appearance	–	Clear liquid	Visual
Assay	%	~74–76	Internal Method
Active oxygen content	%	~6.7–6.9	Internal Method
Density (20 °C)	g/cm³	~0.90	ASTM D4052
Viscosity (20 °C)	mPa·s	~2.3	Internal Method

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

4. Recommended Use

Perovion® BPIC L75 is intended for use as a curing initiator in elevated-temperature thermoset systems. Dosage level, curing profile, and potential combination with other organic peroxides 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® BPIC L75 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® BPIC 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® BPIC L75 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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