Perovion®

Product Name : Perovion® BIBP P14-40

CAS number : 2212-81-9, 25155-25-3

Chemical Type : Di(tert-butylperoxyisopropyl) benzene

Business Unit : Organic Peroxides

1. Product Description

Perovion® BIBP P14-40 is a bifunctional aromatic organic peroxide supplied as a powder formulation on an inert carrier system. It is designed for polymer crosslinking applications requiring controlled radical generation at elevated temperatures and provides balanced scorch safety and processing stability.

2. Typical Applications

Perovion® BIBP P14-40 is typically used for the crosslinking of natural rubber, synthetic rubbers, and polyolefins. It is suitable for rubber compounding processes where good scorch safety and controlled crosslinking behavior are required. Actual suitability and performance depend on polymer type, compounding formulation, and processing conditions applied by the user.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	Solid	Visual
Appearance	–	Off-white powder	Visual
Peroxide concentration	%	~39–41	Internal Method
Assay	%	~9.4	Internal Method
Molecular weight	–	~338	Internal Method

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

4. Recommended Use

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Perovion® BIBP P14-40 is intended for use as a crosslinking initiator in rubber and polyolefin processing. Dosage level, processing temperature, and curing profile should be determined and validated by the user based on specific compound formulations 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® BIBP P14-40 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® BIBP P14-40 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® BIBP P14-40 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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