Perovion®

Product Name : Perovion® BIBP F14

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

Chemical Type: Di(tert-butylperoxyisopropyl）benzene

Business Unit : Organic Peroxides

1. Product Description

Perovion® BIBP F14 is an aromatic organic peroxide designed for high-temperature polymer production and polymer crosslinking applications. It is suitable for processes requiring controlled radical generation during melt or post-reactor treatment and may be used to adjust polymer rheology or as a synergistic component in specialized formulations.

2. Typical Applications

Perovion® BIBP F14 is typically used in polymer production and polymer crosslinking processes, including post-reactor modification of polyolefins and other high-temperature applications. It may also be applied as a synergistic component in flame-retardant polymer systems depending on formulation design. Actual suitability and performance depend on polymer type, processing conditions, and formulation strategy defined by the user.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	Solid	Visual
Appearance	–	Slightly yellow flakes	Visual
Active oxygen content	%	~9.3–9.5	Internal Method
Assay	%	≥98.0	Internal Method
Molecular weight	–	~338	Internal Method

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

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4. Recommended Use

Perovion® BIBP F14 is intended for use in high-temperature polymer processing 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® BIBP F14 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 F14 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 F14 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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