Perovion®

Product Name : Perovion® DHBP P10-45B

CAS number : 78-63-7

Chemical Type : 2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane

Business Unit : Organic Peroxides

1. Product Description

Perovion® DHBP P10-45B is a dialkyl peroxide formulation containing 45% active ingredient, designed for controlled dusting and ease of dispersion in elastomer compounds. This peroxide is used in crosslinking applications, particularly for rubber compounds, including natural and synthetic rubbers, as well as thermoplastic polyolefins.

2. Typical Applications

- Crosslinking of natural rubber
- Crosslinking of synthetic rubbers
- Crosslinking of polyolefins

Rubber compounds containing Perovion® DHBP P10-45B offer excellent scorch safety. This peroxide formulation is widely used in industries requiring high scorch safety in rubber processing.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	White free-flowing powder	Visual
Assay (Active Ingredient)	%	44.0 – 46.0	Internal
Active oxygen content	%	~4.8 – 5.1	Calculated
Bulk density	kg/m³	510 (31.8 lb/ft³)	Internal
Density (20 °C)	g/cm³	1.5	Internal

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

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4. Recommended Use

The dosage of Perovion® DHBP P10-45B depends on the rubber formulation, curing system, and operating temperature. For optimized crosslinking and safety, processing conditions should be validated by the user. Perovion® DHBP P10-45B provides excellent scorch safety and should be handled according to standard organic peroxide procedures.

5. Packaging & Logistics

Perovion® DHBP P10-45B is supplied in standard packaging formats (e.g., plastic-lined cartons), subject to confirmation at the quotation stage.

Minimum order quantities depend on packaging configuration and destination requirements.

- Incoterms: FOB / CFR / CIF (as specified in the quotation)

Lead time: Indicative lead time provided at quotation and confirmed upon order acceptance

6. Quality & Documentation

Each batch of Perovion® DHBP P10-45B is released under Innovexar Quality Assurance standards and is accompanied by a batch-specific Certificate of Analysis (COA).

Safety Data Sheets (SDS) 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® DHBP P10-45B should be stored in its original, tightly closed containers in a dry, well-ventilated area away from heat sources and direct sunlight.

- Recommended storage temperature: ≤30 °C

Avoid contact with reducing agents, acids, alkalis, amines, or heavy metal compounds. Refer to the SDS for detailed safety and handling instructions.

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