Perovion®

Product Name : Perovion® DHBP P10-45S

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 P10-45S is a bifunctional organic peroxide supplied as a 45% active ingredient formulation in paste form. It is designed for use in the crosslinking of silicone rubbers, providing controlled radical generation at elevated temperatures. It ensures high processing stability and is ideal for systems requiring high scorch safety.

2. Typical Applications

- Crosslinking of silicone rubbers

Rubber compounds containing Perovion® DHBP P10-45S typically exhibit good scorch safety, making it ideal for processing at high temperatures while ensuring consistent crosslinking performance.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	White high viscous paste	Visual
Assay	%	44.0 – 46.0	Internal
Active oxygen content	%	~4.8 – 5.1	Calculated
Molecular weight	–	290.4	Calculated

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

4. Recommended Use

The dosage of Perovion® DHBP P10-45S depends on silicone rubber formulation, processing conditions, and curing temperature. Safe processing and crosslinking temperatures should be determined by the user

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prior to production use. This peroxide formulation provides excellent scorch safety and should be handled according to standard organic peroxide procedures.

5. Packaging & Logistics

Perovion® DHBP P10-45S is supplied in standard industrial paste packaging formats, 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 P10-45S 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 P10-45S should be stored in its original, tightly closed containers in a dry, well-ventilated area away from heat sources and direct sunlight.

- Recommended maximum storage temperature: ≤30 °C
- Storage condition note: Store above 10 °C to prevent freezing and product separation.

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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