Perovion®

Product Name : Perovion® DHBP P10

CAS number : 78-63-7; 68083-18-1

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

Business Unit : Organic Peroxides

1. Product Description

Perovion® DHBP P10 is a bifunctional organic peroxide supplied as a solid formulation dispersed in a silicone rubber carrier. It is primarily intended for the crosslinking of silicone rubber systems, providing controlled radical generation at elevated temperatures.

2. Typical Applications

- Crosslinking of silicone rubbers

Rubber compounds containing Perovion® DHBP P10 typically exhibit good scorch safety. Processing and curing behavior depend on formulation and operating conditions.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	Solid / gum in silicone	Visual
Active oxygen content	%	~11.0	Calculated
Molecular weight (active)	–	290.4	Calculated

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

4. Recommended Use

The dosage and use conditions of Perovion® DHBP P10 depend on silicone rubber formulation, processing parameters, and curing profile. Safe processing and crosslinking temperatures should be evaluated and validated by the user prior to production use. Standard organic peroxide handling procedures must be followed.

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5. Packaging & Logistics

Perovion® DHBP P10 is supplied in standard industrial packaging formats (e.g., plastic pails), 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 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 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

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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