Perovion®

Product Name : Perovion® DCBP PPD-50

CAS number : 133-14-2

Chemical Type : Di(2,4-dichlorobenzoyl) peroxide

Business Unit : Organic Peroxides

1. Product Description

Perovion® DCBP PPD-50 is a monofunctional diacyl peroxide supplied as an off-white homogeneous paste containing approximately 50% active ingredient. It is intended for the crosslinking of silicone rubber systems, providing controlled radical generation at relatively low curing temperatures.

2. Typical Applications

- Crosslinking of silicone rubber

Silicone rubber compounds containing Perovion® DCBP PPD-50 are suitable for processing conditions requiring controlled scorch safety and consistent curing performance.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–		
Active oxygen content	%		
Density (20 °C)	g/cm³		
Flash point	°C		
Solubility	–		

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

4. Recommended Use

Typical curing characteristics (indicative):

- Safe processing temperature: ~75 °C (rheometer ts_2 > 20 min)

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- Typical crosslinking temperature: ~90 °C (rheometer t_{90} ≈ 12 min)

The dosage and processing conditions of Perovion® DCBP PPD-50 depend on the silicone rubber formulation and should be evaluated and validated by the user prior to production use.

5. Packaging & Logistics

Perovion® DCBP PPD-50 is supplied in standard industrial plastic pail packaging, 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® DCBP PPD-50 is released under Innovexar Quality Assurance standards and is accompanied by a batch-specific Certificate of Analysis (COA).

Safety Data Sheets (SDS) and, where applicable, extended SDS documentation are provided in accordance with destination regulatory requirements. Full batch traceability is maintained through digitized QA documentation systems.

7. Handling & Storage

Perovion® DCBP PPD-50 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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