Perovion®

Product Name : Perovion® DCBP POP-50

CAS number : 133-14-2

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

Business Unit : Organic Peroxides

1. Product Description

Perovion® DCBP POP-50 is a diacyl peroxide supplied as a grey-white homogeneous paste containing approximately 50% active ingredient. It is designed for the crosslinking of silicone rubber systems and provides controlled radical generation at relatively low curing temperatures.

2. Typical Applications

- Crosslinking of silicone rubber

Silicone rubber compounds containing Perovion® DCBP POP-50 can be cured without external pressure, such as in hot air or infrared curing processes. The product can be easily incorporated into silicone rubber using standard two-roll mill mixing.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	Grey-white homogeneous paste	Visual
Assay	%	49.0 – 51.0	Internal
Particle size	µm	≤ 50	Internal
Water content	%	≤ 1.5	Internal
Density (20 °C)	g/cm³	~1.18	Internal
Active oxygen content	%	~4.2	Calculated

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

4. Recommended Use

© 2026 Innovexar. All rights reserved.

The dosage of Perovion® DCBP POP-50 depends on silicone rubber formulation and curing requirements. Typical curing behavior includes:

- Safe processing temperature: ~65 °C (rheometer ts_2 > 20 min)
- Typical crosslinking temperature: ~90 °C (rheometer t_{90} ≈ 12 min)

The recommended addition level is typically in the range of ~1.1–2.3%, relative to the silicone rubber, subject to user validation. Processing conditions should be evaluated and confirmed by the user prior to production use.

5. Packaging & Logistics

Perovion® DCBP POP-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 POP-50 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® DCBP POP-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.

© 2026 Innovexar. All rights reserved.