Perovion®

Product Name : Perovion® BPO P-GB

CAS number : 94-36-0

Chemical Type : Dibenzoyl Peroxide

Business Unit : Organic Peroxides

1. Product Description

Perovion® BPO P-GB is a free-flowing granular organic peroxide containing approximately 50% dibenzoyl peroxide on a phthalate-free carrier. It is designed for the curing of unsaturated polyester resins and (meth)acrylic resins at ambient and elevated temperatures, offering good solubility in standard thermoset resin systems.

2. Typical Applications

- Curing of unsaturated polyester resins
- Curing of (meth)acrylic resins
- Applications requiring good resin solubility and uniform curing performance

At temperatures up to approximately 80 °C, Perovion® BPO P-GB is typically used in combination with an aromatic tertiary amine accelerator. Above this temperature range, the use of an accelerator is generally not required.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	White free-flowing	Visual
Assay (dibenzoyl	%	49.0 – 51.0	Internal
Water content	%	≤ 0.5	Internal
Active oxygen content	%	~3.3	Calculated
Bulk density	kg/m³	~640	Internal

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

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4. Recommended Use

The dosage of Perovion® BPO P-GB depends on the resin formulation, curing system, processing method, and temperature profile. Accelerator systems and curing conditions should be evaluated and validated by the user prior to production use. Direct mixing of organic peroxides with accelerators should be avoided.

5. Packaging & Logistics

Perovion® BPO P-GB is supplied in standard industrial 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® BPO P-GB 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® BPO P-GB 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: ≤25 °C.

Contamination with reducing agents, acids, alkalis, amines, or heavy metal compounds must be avoided.
Refer to the SDS for detailed safety instructions

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