Perovion®

Product Name : Perovion® BPO PA-BT

CAS number : 94-36-0

Chemical Type : Dibenzoyl Peroxide

Business Unit : Organic Peroxides

1. Product Description

Perovion® BPO PA-BT is a phthalate-free dibenzoyl peroxide paste containing approximately 50% active peroxide dispersed in a liquid carrier system. It is designed for the curing of unsaturated polyester and vinyl ester resin systems at ambient and elevated temperatures, particularly in filled and putty-type formulations.

2. Typical Applications

- Curing of unsaturated polyester resins
- Curing of vinyl ester resins
- Putty and filled resin systems requiring paste initiators
- Tube-filled and cartridge-based curing applications

At temperatures up to approximately 80 °C, Perovion® BPO PA-BT 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 homogeneous	Visual
Assay (dibenzoyl	%	48.5 – 51.0	Internal
Density (20 °C)	g/cm³	~1.20	Internal
Viscosity (20 °C)	–	Thixotropic paste	Internal

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Property	Unit	Typical Value	Test Method
Active oxygen content	%	~6.61	Calculated

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

4. Recommended Use

The dosage of Perovion® BPO PA-BT depends on the resin formulation, filler content, curing system, and processing conditions. Accelerator systems and curing profiles 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 PA-BT 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® BPO PA-BT 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 PA-BT 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 and handling instructions.

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