Perovion®

Product Name : Perovion® TBMPM PPF

CAS number : 1931-62-0

Chemical Type : tert-Butyl monoperoxymaleate

Business Unit : Organic Peroxides

1. Product Description

Perovion® TBMPM PPF is an organic peroxide supplied as a paste formulation containing approximately 40% active ingredient. It is designed for ambient-temperature curing of acrylic (MMA-based) solid surface systems, particularly where minimal yellow discoloration and low residual monomer are required. For room-temperature cure, it is used in combination with dedicated accelerator systems.

2. Typical Applications

- Ambient-temperature curing of acrylic solid surface (MMA resins)
- Selected acrylic thermoset applications requiring low discoloration

Without an accelerator system, curing typically starts only at elevated temperatures (≈90 °C). For ambient curing, Perovion® TBMPM PPF must be combined with appropriate accelerators as validated by the user.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	Paste	Visual
Assay	%	38.0 – 42.0	Internal
Active oxygen (peroxide)	%	~8.5	Calculated
Concentration (as peroxide)	%	3.23 – 3.57	Internal
Density (25 °C)	g/cm³	~0.85	Internal
Viscosity (25 °C)	mPa·s	25,000 – 50,000	Internal
Molecular weight (active)	–	188.2	Calculated

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

4. Recommended Use

Perovion® TBMPM PPF is intended for room-temperature curing of MMA-based systems when used with validated accelerator combinations. Dosage, accelerator selection, and curing profile must be evaluated and confirmed by the user to meet gel time, cure speed, and final appearance requirements. Standard organic peroxide handling procedures must be followed.

5. Packaging & Logistics

Perovion® TBMPM PPF is supplied in standard industrial packaging formats (e.g., plastic pails), subject to confirmation at the quotation stage.

6. Quality & Documentation

Each batch of Perovion® TBMPM PPF 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® TBMPM PPF 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 (Ts max.): ≤25 °C

Avoid contact with reducing agents (e.g., amines), acids, alkalis, and heavy metal compounds (e.g., accelerators, driers, metal soaps). Refer to the SDS for detailed safety and handling instructions.

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