Perovion®

Product Name : Perovion® TEPO S30

CAS number : 24748-23-0

Chemical Type : 3,6,9-Triethyl-3,6,9-trimethyl-1,4,7-triperoxonane (TEPO)

Business Unit : Organic Peroxides

1. Product Description

Perovion® TEPO S30 is an organic peroxide masterbatch formulation on polypropylene beads, designed for controlled rheology polypropylene (CR-PP) production. The bead form allows accurate dosing and homogeneous dispersion of the peroxide during extrusion, supporting precise control of polypropylene melt flow properties.

2. Typical Applications

- Controlled rheology polypropylene (CR-PP) production
- Visbreaking of polypropylene in extrusion processes

Perovion® TEPO S30 is intended for use in extrusion processes typically operated at elevated temperatures, where small changes in peroxide dosage or process temperature can result in different melt flow indices (MFI).

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	White beads	Visual
Total active oxygen	%	1.34 – 1.63	Internal
Active oxygen (peroxide)	%	~18.2	Calculated
Bulk density	kg/m³	~421	Internal
Molecular weight (active)	–	264.3	Calculated

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

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4. Recommended Use

Perovion® TEPO S30 is typically applied in extrusion processes at approximately 200–250 °C for polypropylene visbreaking. Dosage and processing conditions should be evaluated and validated by the user to achieve the desired MFI while maintaining process stability.

5. Packaging & Logistics

Perovion® TEPO S30 is supplied in standard industrial packaging formats (e.g., cardboard boxes), 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® TEPO S30 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® TEPO S30 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: ≤40 °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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