Basekim
Chemical Production Co.Ltd

Technical Data Sheet (TDS)

Oxidized Polyethylene Wax

1. Product Identification

Property	Description
Product Name	Oxidized Polyethylene Wax
Common Name	Oxidized PE Wax (OPE Wax)
Product Grade	2452
Chemical Family	Oxidized Polyethylene
Physical Form	Pastilles
Color	Yellowish
Main Application	PVC Processing

2. Product Description

Oxidized Polyethylene Wax 2452 is a polar polyethylene wax produced through the oxidation of PE wax. The oxidation process introduces polar functional groups into the wax structure.

This grade acts as a lubricant and release agent in PVC processing. Its controlled viscosity, acid number, and softening characteristics make it suitable for evaluation in PVC formulations that require effective lubrication and release performance.

3. Technical Specifications

Property	Test Method	Specification
Grade	—	2452
Appearance	Visual	Yellowish Pastilles
Viscosity at 140°C	ASTM D3236	50 ± 20 cP
Ring & Ball Softening Point	ASTM E28	105 ± 5°C
Density at 25°C	ASTM D611	0.92 ± 0.01 g/cm³
Acid Number	ASTM D1386	17–20 mg KOH/g

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4. Applications

Oxidized Polyethylene Wax 2452 is primarily intended for PVC processing.

Main Functions:

- Lubrication during PVC processing
- Release agent in PVC manufacturing

Customers should evaluate product compatibility and performance under their actual processing conditions before commercial use.

5. Storage Conditions

Store Oxidized PE Wax 2452 in dry conditions at room temperature.

Keep the material in suitable packaging to protect it from contamination and moisture.

6. Shelf Life

The minimum shelf life is **one year from the date of manufacture**, provided the product is stored properly under the recommended conditions.

7. Quality and Technical Information

Customers should inspect and evaluate product quality before commercial use.

The published specifications describe Grade 2452. Buyers should confirm that the supplied material meets their intended processing requirements.

8. Important Notice

The technical data in this document are based on the reference specification for Oxidized Polyethylene Wax Grade 2452.

Customers are responsible for evaluating the material before commercial processing. The original technical document does not provide a guarantee or warranty after processing.

9. Supplier Information

Supplier: Basekim