

Technical Data Sheet

Applications

- PVC Lubrication
- Emulsions

Attributes

- Powdered Product Form
- Compatible with water-based and solvent-based formulations
- Promotes stable solutions without phase separation
- Improves rub and scuff resistance, excellent for high traffic applications

Product Description

EPOLENE® DE-84P is an oxidized high density low molecular weight polyethylene powder with exceptional hardness and low color used in PVC lubrication and emulsifiable applications. This material provides excellent lubrication for rigid PVC processing, providing an anti-sticking effect and efficient die lubrication. EPOLENE® DE-84P polymer has high thermal stability and tolerates higher processing temperatures without die build-up. It performs well in high-speed buffable floor finish emulsions, and provides excellent scuff and rub resistance for inks and coating applications.

Typical Physical Properties

Property ^a	Test Method ^b	Typical Value, Units ^c
Density, g/cm ³	D-1505	0.971
Acid Number, mg-KOH/g	D-1386	18
Penetration Hardness, dmm	D-5	< 1
Mettler Drop Point, °C	D-6090	132
Brookfield Viscosity @ 150 °C, cP	D-4287	4000
Median Particle Size	Westlake	800

^a Unless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

^b Unless noted otherwise, the test method is ASTM.

^c Units are in SI or US customary units.

Packaging

EPOLENE® DE-84P is offered in multiple package types. Contact your Westlake sales or technical representative for offerings and availability.

Storage

The useful life of this product can be affected by storage and handling conditions. This product should be stored in the original unopened container in an enclosed area and protected from moisture, extreme temperatures, and contamination. First-in first-out (FIFO) inventory management is recommended.

Regulatory Compliance

This product has some 21 CFR clearances. Please contact your Westlake Sales Representative for food contact statements.

Westlake makes no representation that the material in any particular shipment will conform exactly to the values given. Westlake and its marketing affiliates shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.