Manufacturer website: https://www.westlake.com/

Westlake Polyethylene™

# EPOLENE® E-10

Low Molecular Weight Polymer

## Technical Data Sheet

## Applications

- Compounding
- Building and construction
- Hot melt adhesives
- Emulsions
- Wax modification

## Attributes

- Imparts slip resistance, durability, and toughness to floor finishes
- Oxidized to provide functionality
- Produces stable water-based emulsions
- Oxidized low density polyethylene

## Product Description

EPOLENE® E-10 is an oxidized low molecular weight polyethylene powder used in emulsifiable applications. The low molecular weight and low softening point contribute to the production of stable, low color emulsions by both atmospheric (wax to water) and pressure emulsification methods. In water-based emulsion floor finishes, it imparts good slip resistance, toughness and durability to the polish film.

## Typical Physical Properties

| Property [a] | Test Method [b] | Typical Value, Units [c] |
|---|---|---|
| Density, g/cm$^3$ | D-1505 | 0.942 |
| Acid Number, mg-KOH/g | D-1386 | 17 |
| Penetration Hardness, dmm | D-5 | 2 |
| Mettler Drop Point, °C | D-6090 | 105 |
| Brookfield Viscosity @ 125 °C, cP | D-4287 | 800 |
| Yellowness Index | E-313 | 4.5 |

[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.

## *Pa*ckaging

EPOLENE® E-10 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.*

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