Westlake Polyethylene™

EPOLENE® E-10P

Low Molecular Weight Polymer

Technical Data Sheet

Applications

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

Attributes

- Powdered Product Form
- 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-10P 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
Median Particle Size, microns	Westlake	215

[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-10P 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.

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