

Technical Data Sheet

Applications

- Compounding
- Emulsions
- PVC lubrication
- 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-16 is an oxidized low molecular weight polyethylene having properties intermediate between EPOLENE® E-10 polymer and EPOLENE® E-14 polymer. It provides stable, low color emulsions by both atmospheric (wax-to-water) and pressure emulsification methods for such end uses as textiles, floor polishes, inks, and paint rheological additives.

Typical Physical Properties

Property ^a	Test Method ^b	Typical Value, Units ^c
Density, g/cm ³	D-1505	0.943
Acid Number, mg-KOH/g	D-1386	17
Penetration Hardness, dmm	D-5	4
Mettler Drop Point, °C	D-6090	105
Brookfield Viscosity @ 125 °C, cP	D-4287	630
Yellowness Index	E-313	5.0

^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® E-16 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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