



# Westlake Polymers

Enhancing your life every day

## **EPOLENE<sup>®</sup>** **E-14EP Polymer**

### Application/Uses

- Automotive Refinish
- Automotive
- Building and Construction
- Hot Melt Adhesives
- Pressure Sensitive Adhesives
- Solvent Borne Adhesives
- Waterborne Adhesives
- Wax Modification

### Attributes

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

### Product Description

EPOLENE<sup>®</sup> E-14E polymer is an oxidized low molecular weight polymer 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. EPOLENE E-14E polymer imparts excellent slip resistance to floor polish films.

### Typical Physical Properties

Property <sup>a</sup>	Test <sup>b</sup> Method	Typical Value, Units <sup>c</sup>
Acid Number	D-1386	14-18.5 mg-KOH/g
Penetration Hardness	D-5	4 dmm
Mettler Drop Point	D-6090	103-106 °C
Brookfield Viscosity @ 125 °C	D-4287	150-300 cP
Yellowness Index	D-313	≤ 4.0
Median Particle Size	Westlake	215 microns

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

<sup>b</sup> Unless noted otherwise, the test method is ASTM.

<sup>c</sup> Units are in SI or US customary units

### COMMENTS

Properties reported here are indicative values only. Westlake makes no representation that the material in any particular shipment will conform exactly to the values given.

### FDA

This product has some 21 CFR clearances. Please contact Westlake Product Regulatory Department for statements.

### Packaging

EPOLENE E-14E polymer is supplied as free-flowing powder, packaged in multiwall paper bags with a polyethylene coated inner liner [22.67 kg (50 lb) net weight]. Many EPOLENE polymers are also shipped in a variety of bulk containers. EPOLENE E-14EP polymer is also available in pellet form as EPOLENE E-14E polymer.

### Storage

The useful life of this product can be affected by storage and handling conditions. 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.

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