



# Westlake Polymers

Enhancing your life every day

## *EPOLENE*<sup>®</sup> E-20P Polymer

### Application/Uses

- Automotive
- Building and Construction
- Hot Melt Adhesives
- Pressure Sensitive Adhesives
- Solventborne Adhesives
- Waterborne Adhesives
- Wax Modification

### Attributes

- Imparts slip resistance, durability, and toughness to floor finishes
- Oxidized to provide functionality
- Produces stable water based emulsions
- Useful as a lubricant for HDPE extrusion
- Oxidized low density polyethylene

### Product Description

*EPOLENE*<sup>®</sup> E-20P polymer is an oxidized low molecular weight polymer with exceptional hardness and low color used in emulsifiable applications. The low softening point and low viscosity contribute to the hardness, short drying time, and excellent gloss in coatings. Pressure equipment is required for emulsification of this material. *EPOLENE* E-20P polymer is an excellent performer in high-speed buffable floor finishes. It improves buffability and durability.

### Typical Physical Properties

| <u>Property<sup>a</sup></u>   | <u>Test<sup>b</sup> Method</u> | <u>Typical Value, Units<sup>c</sup></u> |
|-------------------------------|--------------------------------|-----------------------------------------|
| Acid Number                   | D-1386                         | 14-18.5 mg-KOH/g                        |
| Penetration Hardness          | D-5                            | <1 dmm                                  |
| Mettler Drop Point            | D-6090                         | 108-116 °C                              |
| Brookfield Viscosity @ 125 °C | D-4287                         | 1,000-2,000 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-20P 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-20P polymer is also available in pellet form as *EPOLENE* E-20 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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