

Technical Data Sheet

Applications

- Asphalt modification
- Emulsions
- Wax modification

Attributes

- Oxidized to provide functionality
- Useful lubricant for HDPE extrusion
- Oxidized low density polyethylene
- Easily dispersed in asphalt blends using low shear mixing
- Compatible with other asphalt modifiers

Product Description

EPOLENE® EE-2 is a medium density, oxidized low molecular weight polymer used in emulsifiable applications. It is an excellent asphalt modifier which mixes readily with all asphalts.

Typical Physical Properties

| Property ^a | Test Method ^b | Typical Value, Units ^c |
|-----------------------------------|--------------------------|-----------------------------------|
| Density, g/cm ³ | D-1505 | 0.960 |
| Acid Number, mg-KOH/g | D-1386 | 16 |
| Penetration Hardness, dmm | D-5 | < 1 |
| Mettler Drop Point, °C | D-6090 | 114 |
| Brookfield Viscosity @ 125 °C, cP | D-4287 | 1600 |
| 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.

Packaging

EPOLENE® EE-2 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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