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## Product Data Sheet

### Epolene® EE-2 Polymer

#### Application/Uses

- Asphalt modification
- Building and Construction
- Hot Melt Adhesives
- Pressure Sensitive Adhesives
- Wax Modification

#### Key Attributes

- Low density polyethylene (PE)
- Oxidized to provide functionality
- Useful as a lubricant for HDPE extrusion

#### Product Description

Epolene® EE-2 is a medium density, low molecular-weight oxidized polyethylene with exceptional hardness. It is an excellent asphalt modifier which mixes readily with all asphalts. It has a low softening point and low viscosity. The low softening point and low viscosity contribute to the hardness, short drying time, and excellent gloss in coatings.

#### Typical Properties

Property	Test Method	Typical Value, Units
Polymer Type		Ox-PE
Acid Number (mg KOH/g)		16.2
Mettler Softening Point	ASTM D 6090	110°C
Penetration Hardness <sup>a</sup>	ASTM D 5	<1 dmm
Viscosity, Brookfield @ 125°C (257°F)		1,500 cP
Molecular Weight <sup>b</sup>		7,500

<sup>a</sup> Needle under 100-g load for 5s @ 25 deg C, tenths of mm

<sup>b</sup> Molecular weight measured via Gel Permeation Chromatography (GPC) using polystyrene standards

#### Comments

Properties reported here are typical of average lots. Westlake Chemical Corporation makes no representation that the material in any particular shipment will conform exactly to the values given.

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## Compatibility and Solubility

*Epolene* polymers are compatible with many polymers, resins, and natural and synthetic waxes.

## Packaging

Epolene EE-2 polymer is supplied as free-flowing pellets, packaged in multiwall paper bags with a polyethylene coated inner liner [22.67 kg (50 lb) net weight]. The bags are palletized and stretch wrapped to prevent contamination during storage and shipment. Many *Epolene* polymers are also shipped in a variety of bulk containers. .

## Storage

The useful life of this product can be affected by storage and handling conditions. When stored in the original unopened container in an enclosed area and protected from moisture, extreme temperatures and contamination, this product is estimated to continue to meet applicable sales specifications for more than 3 years from the date of manufacture. First in first out (FIFO) inventory control is recommended.

It is your responsibility to determine that our product is safe, lawful and technically suitable for your intended uses. Please note that this letter is provided to you as one of the means to assist you in analyzing our product, and does not serve to modify or amend our sales contract or sales arrangement.

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