



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[®] E-20 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-20 polymer is an excellent performer in high-speed buffable floor finishes. It improves buffability and durability.

Typical Physical Properties

Property ^a	Test ^b Method	Typical Value, Units ^c
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

^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

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-20 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]. Many EPOLENE polymers are also shipped in a variety of bulk containers. EPOLENE E-20 polymer is also available in powder form as EPOLENE E-20P 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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