



Application/Uses

- Automotive
- Building and Construction
- Hot Melt Adhesives
- Packaging
- Solvent borne Adhesives
- Wax Modification

Attributes

- Enhances paraffin wax coating properties like gloss, grease resistance, and MVTR
- Excellent thermal stability
- Maleic anhydride grafted PE provides functionality
- Medium molecular weight
- Useful in color concentrates

Product Description

EPOLENE[®] C-16 polymer is a branched low density polyethylene modified with maleic anhydride. It is useful as a base polymer for adhesives and coatings, color concentrate dispersions, and applications requiring compatibility with polyamide. Coatings produced with EPOLENE C-16 polymer exhibit high gloss, low moisture vapor transmission rates, grease resistance, and good heat-seal ability. In hot melt adhesives, the maleic anhydride modification allows for improved adhesion, greater filler tolerance, and broader capabilities.

Typical Physical Properties

| <u>Property^a</u> | <u>Test^b Method</u> | <u>Typical Value, Units^c</u> |
|-------------------------------|--------------------------------|---|
| Acid Number | D-1386 | 2.0 mg-KOH/g |
| Mettler Drop Point | D-6090 | 105 °C |
| Brookfield Viscosity @ 150 °C | D-4287 | 6,300 – 10,000 cP |
| Yellowness Index | D-313 | ≤ 1.0 |

^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 C-16 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 C-16 polymer is also available in powder form as EPOLENE C-16P 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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