

Applications

- Automotive carpet backing
- Compounding
- Hot melt adhesives
- Wax modification

Attributes

- Enhances paraffin wax coating properties like gloss, grease resistance, and MVTR
- Excellent thermal stability
- Maleic anhydride grafted PE provides functionality/adhesion to substrates
- Medium molecular weight

Product Description

EPOLENE® C-16P is a branched low density polyethylene powder 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-16P 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 adhesive capabilities.

Typical Physical Properties

Property ^a	Test Method ^b	Typical Value, Units ^c
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	E-313	≤ 1.0
Median Particle Size	Westlake	380 microns

^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® C-16P is offered in multiple package types. See your Westlake sales or technical representative for packaging 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.

Properties reported here are based on limited testing. Westlake makes no representation that the material in any particular shipment will conform exactly to the values given. Westlake and its marketing affiliates shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.