Manufacturer website: https://www.westlake.com/

Westlake Polyethylene™

EPOLENE® C-12

Low Molecular Weight Polymer

Technical Data Sheet

Applications

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

Attributes

- Enhances paraffin wax coating properties like gloss, grease resistance, and MVTR
- Excellent thermal stability
- Low color
- Useful in color concentrates

Product Description

EPOLENE® C-12 is a branched low-density polyethylene homopolymer with low color and medium molecular weight. It is useful as a base polymer for adhesives and coatings, color concentrate dispersions, and to provide lubricity in rubber compounding. Coatings produced with EPOLENE® C-12 polymer exhibit high gloss, low moisture vapor transmission rates, grease resistance, and good heat sealability.

Typical Physical Properties

Property [a]	Test Method [b]	Typical Value, Units [c]
Density, g/cm^3	Westlake	0.907
Mettler Softening Point, °C	D-6090	118
Brookfield Viscosity @ 190°C, cP	D-4287	31,400
Melt Index @ 190 °C, g/10 min	D-1238	400

[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-12 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.

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.

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