

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
- Medium molecular weight
- 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 |
|--|--------------------------|-----------------------------------|
| Mettler Drop Point | D-6090 | 118 °C |
| Melt Index (Condition E, 190°C / 2.16kg) | D-1238 | 360 – 450 g/10 min |
| Yellowness Index | E-313 | ≤ 2 |

^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.

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