

## Applications

- Extrusion coating
- Automotive carpet backing
- Compounding
- Injection molding

## Attributes

- Excellent thermal stability
- Low Color
- Medium molecular weight

## Product Description

EPOLENE® C-24 polymer is a branched low density polyethylene with a relatively high melt point and viscosity compared to other EPOLENE® C-type polymers. It is useful for extrusion coating of automotive carpet backing. It can also be used in compounding or injection molding applications. EPOLENE® C-24 polymer has good high temperature stability, low color, and low temperature flexibility.

## Typical Physical Properties

Property <sup>a</sup>	Test Method <sup>b</sup>	Typical Value, Units <sup>c</sup>
Melt Index (Condition E, 190°C / 2.16kg)	D 1238	58 g/10 min
Density	D 1505	0.9105 g/cm <sup>3</sup>
Whiteness Index	D 313	60
DSC Peak Melting Point	D 3418	100°C (212°F)
Tensile Strength @ Break	D 638 Type IV	7.8 MPa (1,130 psi)
Tensile Elongation @ Break	D 638 Type IV	235 %
Flexural Modulus – 1% Secant	D 790	96.5 MPa (14,000 psi)
Durometer Hardness – Shore D	D 2240	50

<sup>a</sup> Unless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

<sup>b</sup> Unless noted otherwise, the test method is ASTM.

<sup>c</sup> Units are in SI or US customary units.

## Packaging

EPOLENE® C-24 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.*