

Technical Data Sheet

Applications

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

Attributes

- Excellent thermal stability
- Low color

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 ^a	Test Method ^b	Typical Value, Units ^c
Density, g/cm ³	D-1505	0.912
Vicat Softening Point, °C	D-1525	75
Melt Index @ 190 °C, g/10 min	D-1238	58
DSC Peak Melting Point, °C	D 3418	100
Tensile Strength @ Break, psi	D 638 Type IV	1078
Tensile Elongation @ Break, %	D 638 Type IV	235
Flexural Modulus – 1% Secant, psi	D 790	15,000
Durometer Hardness – Shore D	D 2240	50

^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-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.

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