



Westlake Polymers

Enhancing your life every day

EC474

Low Density Polyethylene

Application/Uses

- Medium and lightweight coatings and laminations
- Substrate coatings to provide heat sealability
- Hot melt laminating adhesive
- General purpose coatings

Product Description

WESTLAKE low-density polyethylene EC474 is a general-purpose formulation used for extrusion coating and laminating. It can be drawn down to low coating weights, is processable at high speeds, has good moisture barrier, and is heat-sealable at low temperatures.

Typical Physical Properties

| <u>Property</u> | <u>Test Method</u> | <u>Typical Value, Units</u> |
|------------------|--------------------|--|
| Melt Index | D 1238 | 8.0 g/10 min |
| Density | D 1505 | 918 kg/m ³ (0.918 g/cm ³) |
| Ultimate Tensile | D 638 | 1,400 psi |
| Elongation | D 638 | 400 % |
| Tensile Modulus | D 1709 | 20,000 psi |

^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.

NOTES

Where required, test specimens are compression molded according to ASTM D1928.

FDA

This product has some 21 CFR clearances. Please contact Westlake Product Regulatory Department for statements.

PROCESSING

Westlake EC474 has very good flow properties which allow high speed coatings at weights from 4 lbs/3000 sq. ft. and up. Melt temperatures of 575° F - 625° F are suggested for Westlake EC474.

COMMENTS

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.

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