



# Westlake Polymers

Enhancing your life every day

## EC476

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 polyethylene EC476 is a low-density resin designed for applications where high coating speeds and good drawdown are required. This material demonstrates good adhesion to paper, provides a good moisture barrier, and is heat-sealable at low temperatures.*

### Typical Physical Properties

| Property         | Test Method | Typical Value, Units                             |
|------------------|-------------|--|
| Melt Index       | D 1238      | 13.7 g/10 min                                    |
| Density          | D 1505      | 918 kg/m <sup>3</sup> (0.918 g/cm <sup>3</sup> ) |
| Ultimate Tensile | D 638       | 1,300 psi  |
| Elongation       | D 638       | 450 %  |

<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.

### 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 EC476 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 EC476.

### 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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