



# Westlake Polymers

Enhancing your life every day

## EC477

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 EC477 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

| <u>Property</u>  | <u>Test Method</u> | <u>Typical Value, Units</u>                      |
|------------------|--------------------|--|
| Melt Index       | D 1238             | 16.0 g/10 min                                    |
| Density          | D 1505             | 917 kg/m <sup>3</sup> (0.917 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 EC477 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 EC477.

### 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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