



### Application/Uses

- Food packaging
- Freezer wrap
- Frozen food packaging
- Sugar pouches

### Product Description

WESTLAKE low-density polyethylene EC4042 is a low density resin designed for applications, such as sugar pouches and freezer wrap, where high coating speeds and good drawdown are required. The combination of high melt index and low density also provides good heat seals at high packaging or sealing rates.

### Typical Physical Properties

<u>Property<sup>a</sup></u>	<u>Test<sup>b</sup> Method</u>	<u>Typical Value, Units<sup>c</sup></u>
Melt Index (Condition 190°C/2.16 kg)	D 1238	10.0 g/10 min
Density	D 4883	917 kg/m <sup>3</sup> (0.917 g/cm <sup>3</sup> )
Tensile Stress @ Break 500 mm/min (20 in./min)	D 638 Type IV	9.0 MPa (1335 psi)
Elongation @ Break 500 mm/min (20 in./min)	D 638 Type IV	300%
Flexural Modulus (2% Secant) 12.7 mm/min (0.5 in./min)	D 790	235 MPa (34,000 psi)

<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

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

### FDA

This resin grade complies with 21 CFR 177.1520. For further information, please contact Product Regulatory Compliance.

### PROCESSING

Melt temperatures of 575° F - 625° F are recommended for Westlake Chemical EC4042.

### 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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