



# Westlake Chemical

ELEVATE™

EF446

6.0% EVA Copolymer

## Application/Uses

- High Clarity Packaging
- Foam Applications

## Product Description

Westlake EF446 resin is a 6.0% EVA copolymer designed for general purpose packaging film. This Kosher compliant resin has excellent clarity, toughness, heat sealing characteristics, low temperature brittleness properties, and machinability.

### Typical Physical Properties

Property <sup>a</sup>	Test <sup>b</sup> Method	Typical Value, Units <sup>c</sup>
Melt Index (Condition 190°C/2.16 kg)	D 1238	2.0 g/10 min
Density	D 1505	927 kg/m <sup>3</sup> (0.925 g/cm <sup>3</sup> )
Haze (Base Polymer)	D 1003	4.3%
Gloss @ 45° (Base Polymer)	D 2457	73 %
Impact	D 1709A	180 g
Tensile Strength @ Break	M.D. D 882	30 MPa (4495 psi)
	T.D. D 882	26 MPa (3950 psi)
Elongation (%)	M.D. D 882	440%
	T.D. D 882	770%
1% Secant Modulus	M.D. D 882	109 MPa (16300 psi)
	T.D. D 882	127 MPa (19100 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.** Test specimens for blown film: nominal thickness 1.25 mils; blow up ratio 2.5:1, die gap 35 mils.

## FDA

This resin grade complies with 21 CFR 177.1350. For further information, please contact Product Regulatory Compliance.

## PROCESSING

Melt temperatures of 360° F – 390° F are recommended for Westlake Chemical EF446 with blow-up ratios of 1.5:1 or higher.

## 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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