



# Westlake Chemical

## EB502

12.5% EVA COPOLYMER

### Application/Uses

- Frozen food packaging
- Fresh food packaging
- Ice bags
- Heavy duty produce bags
- Heat seal layers
- Profile extrusions
- Impact modifier
- Foam

### Product Description

Westlake Elevate™ EB502 resin is a fractional melt index 12.5% VA ethylene vinyl acetate copolymer designed for flexible packaging and other films that require excellent toughness and good heat sealing characteristics. This resin has excellent low temperature brittleness properties, melt strength, and flexibility.

### Typical Physical Properties

Property <sup>a</sup>		Test Method <sup>b</sup>	Typical Value, Units <sup>c</sup>
Melt Index		D 1238	0.55 g/10 min
Density		D 1505	934 kg/m <sup>3</sup> (0.934 g/cm <sup>3</sup> )
Peak Melting Point by DSC		D 3418	94°C (201°F)
Vicat Softening Point		D 1525	76°C (170°F)
Haze		D 1003	4.0%
Specular Gloss @ 45°		D 2457	70
Dart Impact		D 1709	580 grams
Ultimate Tensile	M.D.	D 882	4,000 psi
	T.D.	D 882	4,300 psi
Elongation	M.D.	D 882	450%
	T.D.	D 882	950%
1% Secant Modulus	M.D.	D 882	11,000 psi
	T.D.	D 882	13,000 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

Test specimens for blown film: nominal thickness 2.0 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 EB502 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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