



# Westlake Chemical

ELEVATE™

EB510

10% EVA Copolymer

## Application/Uses

- Frozen food packaging
- Fresh food packaging
- Ice Bags
- Heavy duty produce bags

## Product Description

Westlake ELEVATE™ EB510 is an ethylene vinyl acetate copolymer with 10% VA. EB510 is 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	932 kg/m <sup>3</sup> (0.932 g/cm <sup>3</sup> )
Haze		D 1003	4.4 %
Gloss @ 45°		D 2457	72
Ultimate Tensile	MD	D 638	3,750 psi
	TD	D 638	4,000 psi
1% Secant Modulus	MD	D 882	12,500 psi
	TD	D 882	14,500 psi
Elongation	MD	D 882	415%
	TD	D 882	750%
Dart Impact		D1709	530 grams
DSC Peak Melting Temperature		D 3418	95°C (201°F)
Vicat Softening Point		D 1525	78°C (158°F)

<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, section 177.1350. For further information, please contact Product Regulatory Compliance.

## PROCESSING

Melt temperatures of 360° F – 390° F are recommended for ELEVATE™ EB510 with blow-up ratios of 1.5:1 or higher.

## NOTICE

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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