



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

<u>Property</u> ^a		<u>Test Method</u> ^b	<u>Typical Value, Units</u> ^c
Melt Index		D 1238	0.55 g/10 min
Density		D 1505	932 kg/m ³ (0.932 g/cm ³)
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)

^a Unless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

^b Unless noted otherwise, the test method is ASTM.

^c 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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