



Westlake Polymers

Enhancing your life every day

ELEVATE™

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

<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	934 kg/m ³ (0.934 g/cm ³)
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

^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 product has some 21 CFR clearances. Please contact Westlake Product Regulatory Department for statements.

PROCESSING

Melt temperatures of 360° F – 400° F are recommended for Westlake 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.

Westlake and its marketing affiliates shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.

WESTLAKE CHEMICAL CORPORATION
2801 Post Oak Blvd Suite 600 Houston, Texas
Customer Service: 1-800-545-9577