



ELEVATE® EB502

Ethylene Vinyl Acetate Copolymer

Applications

- Frozen & fresh food packaging
- Ice bags
- Heavy duty produce bags
- Heat seal layer
- Profile extrusion
- Foam

Product Description

ELEVATE® EB502 is a 12.5% vinyl acetate copolymer designed for films that require excellent toughness and good heat sealing characteristics. This resin has high melt strength for improved bubble stability during processing and yields highly flexible films with excellent low temperature performance.

Typical Physical Properties

Property ^a	Test Method ^b	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)	D 1238	0.55 g/10 min
Density	D 1505	934 kg/m ³ (0.934 g/cm ³)
DSC Melting Point	D 3418	94°C (201°F)
Vicat Softening Point	D 1525	76°C (169°F)
Haze	D 1003	4.0%
Gloss @ 45°	D 2457	70
Dart Impact	D 1709	580 g
Tensile Strength @ Break	M.D. D 882 T.D. D 882	27.6 MPa (4,000 psi) 29.6 MPa (4,300 psi)
Elongation	M.D. D 882 T.D. D 882	450% 950%
1% Secant Modulus	M.D. D 882 T.D. D 882	75.8 MPa (11,000 psi) 89.6 MPa (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.

Processing

Melt temperatures of 360°F – 390°F are recommended for EB502 with blow-up ratios of 1.5:1 or higher.

Regulatory Compliance

This product has some 21 CFR clearances. Please contact your Westlake Sales Representative for food contact statements.

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 the 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.

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