



ELEVATE® EF545AW

Ethylene Vinyl Acetate Copolymer

Applications

- Pallet wrap stretch film
- Food packaging stretch film

Product Description

Westlake ELEVATE® EF545AW resin is a 4.0% vinyl acetate copolymer designed for film applications. Excellent cold temperature performance, toughness, and resistance to load deformation make EF545AW a wise selection for stretch wrapping pallets stored in cold environments. It contains antiblock to reduce film C.O.F.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^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	13%
Gloss @ 45°		D 2457	50
Dart Impact		D 1709	160 grams
Ultimate Tensile Strength	M.D.	D 882	22.2 MPa (3,320 psi)
	T.D.	D 882	17.6 MPa (2,550 psi)
Ultimate Tensile Elongation	M.D.	D 882	225%
	T.D.	D 882	600%
1% Secant Modulus	M.D.	D 882	172.4 MPa (25,000 psi)
	T.D.	D 882	206.8 MPa (30,000 psi)
Coefficient of Friction		D 1894	0.5

^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 1.5 mils; blow up ratio 2.5:1, die gap 35 mils.

Processing

Melt temperatures of 360°F – 390°F are recommended for EF545AW 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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