

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.

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