

Technical Data Sheet

Applications

- High Clarity Packaging
- Foam Applications

Product Description

ELEVATE® EF546 is a 6% vinyl acetate copolymer designed for general purpose packaging films. This resin has excellent clarity, toughness, heat sealing characteristics, low temperature brittleness properties, and machinability.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)		D 1238	2.0 g/10 min
Density		D 1505	927 kg/m ³ (0.927 g/cm ³)
Haze (Base Polymer)		D 1003	4.5%
Gloss @ 45° (Base Polymer)		D 2457	72
Dart Impact		D 1709	160 g
Tensile Strength @ Break	M.D.	D 882	31.0 MPa (4,495 psi)
	T.D.	D 882	27.2 MPa (3,950 psi)
Elongation	M.D.	D 882	440%
	T.D.	D 882	770%
1% Secant Modulus	M.D.	D 882	133.8 MPa (19,400 psi)
	T.D.	D 882	164.8 MPa (23,900 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 1.25 mils; blow up ratio 2.5:1, die gap 35 mils.

Processing

Melt temperatures of 360°F – 390°F are recommended for EF546 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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