

Technical Data Sheet

Applications

- High clarity packaging
- Light and medium duty produce bags
- Linear blend component for sealing and clarity

Product Description

ELEVATE® EF437 is a 2.5% vinyl acetate copolymer designed for films that require excellent optical and strength properties. This resin has excellent heat sealing characteristics and low temperature brittleness properties.

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	925 kg/m ³ (0.925 g/cm ³)
Haze		D 1003	3.3%
Gloss @ 45°		D 2457	79
Dart Impact		D 1709	150 g
Tensile Strength @ Break	M.D.	D 882	24.1 MPa (3,500 psi)
	T.D.	D 882	17.2 MPa (2,500 psi)
Tensile Elongation @ Break	M.D.	D 882	350%
	T.D.	D 882	700%
1% Secant Modulus	M.D.	D 882	137.9 MPa (20,000 psi)
	T.D.	D 882	151.7 MPa (22,000 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 1.25 mils; blow up ratio 2.5:1, die gap 35 mils.

Processing

Melt temperatures of 360°F – 390°F are recommended for EF437 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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