

Technical Data Sheet

Applications

- High Clarity Flexible Packaging
- High Impact Films

Product Description

ELEVATE® EF439 is a 4% vinyl acetate copolymer. It produces films with excellent haze, gloss, impact strength, and very good heat seal.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index		D 1238	1.4 g/10 min
Density		D 1505	926.5 kg/m ³ (0.9265 g/cm ³)
Haze		D 1003	4.4%
Gloss @ 45°		D 2457	72
Dart Impact		D 1709	250 g
Tensile Strength @ Break	M.D. T.D.	D 882 D 882	27.6 MPa (4,000 psi) 21.4 MPa (3,100 psi)
Tensile Elongation @ Break	M.D. T.D.	D 882 D 882	300% 600%
1% Secant Modulus	M.D. T.D.	D 882 D 882	144.8 MPa (21,000 psi) 179.3 MPa (26,000 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 EF439 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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