

Applications

- Flexible packaging
- Peelable seals & adhesive layers
- Injection molding
- Profile extrusion & tubing

Product Description

ELEVATE® EF524 is a 14.5% vinyl acetate copolymer designed for blown and cast films that require excellent optical properties and low heat seal initiation temperature. It is also suitable for profile extrusion, molding, and foaming applications requiring high flexibility.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)		D 1238	3.5 g/10 min
Density		D 1505	934 kg/m ³ (0.934 g/cm ³)
DSC Melting Point		D 3418	90°C (194°F)
Vicat Softening Point		D 1525	67°C (153°F)
Haze		D 1003	1.5%
Gloss @ 45°		D 2457	87
Dart Impact		D 1709	375 g
Tensile Strength @ Break	M.D.	D 882	22.1 MPa (3,200 psi)
	T.D.	D 882	20.7 MPa (3,000 psi)
Elongation	M.D.	D 882	700%
	T.D.	D 882	1,000%
1% Secant Modulus	M.D.	D 882	51.7 MPa (7,500 psi)
	T.D.	D 882	55.2 MPa (8,000 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 2.0 mils; blow up ratio 2.5:1, die gap 35 mils.

Processing

Melt temperatures of 360°F – 390°F are recommended for EF524.

Regulatory Compliance

This product has some 21 CFR clearances. Please contact your Westlake Sales Representative for food contact statements.

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