

Technical Data Sheet

Applications

- Frozen & fresh food packaging
- Ice bags
- Heavy duty produce bags
- Heat seal layer
- Foam

Product Description

ELEVATE® EB502 is a 12.5% vinyl acetate copolymer designed for films that require excellent toughness and good heat sealing characteristics. This resin has high melt strength for improved bubble stability during processing and yields highly flexible films with excellent low temperature performance.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)		D 1238	0.55 g/10 min
Density		D 1505	934 kg/m ³ (0.934 g/cm ³)
DSC Melting Point		D 3418	94°C (201°F)
Vicat Softening Point		D 1525	76°C (169°F)
Haze		D 1003	4.0%
Gloss @ 45°		D 2457	70
Dart Impact		D 1709	580 g
Tensile Strength @ Break	M.D.	D 882	27.6 MPa (4,000 psi)
	T.D.	D 882	29.6 MPa (4,300 psi)
Elongation	M.D.	D 882	450%
	T.D.	D 882	950%
1% Secant Modulus	M.D.	D 882	75.8 MPa (11,000 psi)
	T.D.	D 882	89.6 MPa (13,000 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 EB502 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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