

Applications

- Injection molding
- Compounding
- Foam

Product Description

ELEVATE[®] EM518 is a 18.5% vinyl acetate copolymer designed for injection molding, compounding, foam, and general extrusion applications.

Typical Physical Properties

Property ^a	Test Method ^b	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)	D 1238	2.5 g/10 min
Density	D 1505	940 kg/m ³ (0.940 g/cm ³)
DSC Melting Point	D 3418	86°C (187°F)
Vicat Softening Point	D 1525	68°C (154°F)
Tensile Strength @ Break	D 638	11.3 MPa (1,745 psi)
Elongation @ Break	D 638	645%
Flexural Modulus, 1% Secant	D 790	48.3 MPa (7,000 psi)
Durometer Hardness, Shore D	D 2240	32

^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

The reported properties were measured from compression molded specimens.

Processing

Melt temperatures of 360°F – 390°F are recommended for EM518.

Regulatory Compliance

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

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