



# ELEVATE<sup>®</sup> EM518

Ethylene Vinyl Acetate Copolymer

## Applications

- Injection molding
- Compounding
- Foam

## Product Description

ELEVATE<sup>®</sup> EM518 is a 18.5% vinyl acetate copolymer designed for injection molding, compounding, foam, and general extrusion applications.

## Typical Physical Properties

| Property <sup>a</sup>                | Test Method <sup>b</sup> | Typical Value, Units <sup>c</sup>                |
|--------------------------------------|--------------------------|--------------------------------------------------|
| Melt Index (Condition 190°C/2.16 kg) | D 1238                   | 2.5 g/10 min                                     |
| Density                              | D 1505                   | 940 kg/m <sup>3</sup> (0.940 g/cm <sup>3</sup> ) |
| 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                                               |

<sup>a</sup> Unless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

<sup>b</sup> Unless noted otherwise, the test method is ASTM.

<sup>c</sup> 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.

*Properties reported here are based on limited testing. Westlake makes no representation that the material in any particular shipment will conform exactly to the values given. Westlake and its marketing affiliates shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.*

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