

## Technical Data Sheet

### Applications

- Films – blown and cast
- Disposable gloves & instrument covers
- Medical drapes
- Silk/quiet Films

### Key Attributes

- Low coefficient of friction
- Fully formulated with slip & antiblock
- Softness & flexibility

### Product Description

EMAC+® SP1358 is a 21.5% EMA copolymer containing slip and antiblock. This resin is designed for blown or cast film where flexibility and low C.O.F. are required. The higher melting point of this EMAC+® grade offers EMA performance with improved heat resistance.

### Typical Physical Properties

| Property <sup>a</sup>                     | Test Method <sup>b</sup> | Typical Value, Units <sup>c</sup>                |
|---|--------------------------|--|
| Methyl Acrylate Content                   | Westlake                 | 21.5 weight %                                    |
| Melt Index (Condition 190°C/2.16 kg)      | D 1238                   | 2.6 g/10 min                                     |
| Density                                   | D 1505                   | 948 kg/m <sup>3</sup> (0.948 g/cm <sup>3</sup> ) |
| Vicat Softening Temperature               | D 1525                   | 44°C (111°F)                                     |
| Durometer Hardness Shore D Scale          | D 2240                   | 32   |
| Haze                                      | D 1003                   | 15%  |
| Gloss @ 45°                               | D 2457                   | 45   |
| Dart Impact                               | D 1709A                  | 400 g  |
| Elmendorf Tear Resistance (MD / TD)       | D 1922                   | 70 gf/ 170gf                                     |
| Film Tensile Strength @ Break (MD / TD)   | D 882                    | 16.5 MPa (2,400 psi) / 13.8 MPa (2,000 psi)      |
| Film Tensile Elongation @ Break (MD / TD) | D 882                    | 500% / 750%                                      |
| Film Tensile Modulus, 1% Secant (MD / TD) | D 882                    | 38.6 MPa (5,600 psi) / 28.3 MPa (4,100 psi)      |

<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

Test specimens for blown film: nominal thickness 2.0 mils; blow up ratio 2.5:1, die gap 35 mils.

### Processing

Processing conditions for methyl acrylate copolymer resins vary depending upon application, fabrication equipment, and other resin use. These resins are thermally stable and process like LDPE.

### 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.*