

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[®] SP2255 is a 17% EMA copolymer containing slip and antiblock. This resin is designed for blown or cast film where flexibility, softness, and lower CoF are required. EMAC[®] SP2255 provides excellent adhesion to polyolefins, polyesters, and other polymers while providing outstanding low temperature performance.

Typical Physical Properties

| Property ^a | Test Method ^b | Typical Value, Units ^c |
|--------------------------------------|--------------------------|--|
| Melt Index (Condition 190°C/2.16 kg) | D1238 | 2.1 g/10 min |
| Density | D1505 | 942 kg/m ³ (0.942 g/cm ³) |
| Vicat Softening Temperature | D1525 | 55°C (131°F) |
| Brittleness Temperature | D746 | < -73°C (< -99°F) |
| Durometer Hardness Shore D Scale | D2240 | 37 |
| Haze | D1003 | 53% |
| Gloss @ 45° | D2457 | 15 |
| Dart Impact | D1709 | 300 g |
| Elmendorf Tear Resistance (MD/TD) | D1922 | 70 gf / 400 gf |
| Tensile Strength @ Break (MD/TD) | D822 | 22 MPa (3280 psi) / 20 MPa (2530 psi) |
| Elongation @ Break (MD/TD) | D822 | 470% / 720% |
| Tensile Modulus, 1% Secant (MD/TD) | D822 | 52 MPa (8467 psi) / 62 MPa (8933 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

Methyl acrylate copolymers are soft, pliable, and tough at ambient and freezing temperatures. They exhibit high solids filling capability and compatibility with a wide range of polymers, facilitating their use as concentrate bases.

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.

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