

Technical Data Sheet

Applications

- Blown Films
- Flexible Packaging
- Impact Modifier
- Compatibilizer

Key Attributes

- Adhesion to & compatibility with various polymers
- Low temperature heat & RF sealing
- Soft & flexible without plasticizers
- High molecular weight

Product Description

EMAC® SP2202 is a 21% ethylene methyl acrylate (EMA) copolymer designed for blown film, tie-layers, and extrusions where flexibility, compatibility, or low heat seal temperatures are required. EMAC® SP2202 provides excellent adhesion to polyolefins, polyesters, and other polymers while providing outstanding low temperature performance. The high molecular weight of EMAC® SP2202 provides good impact modification for polyesters.

Typical Physical Properties

| Property ^a | Test Method ^b | Typical Value, Units |
|--|--------------------------|--|
| Methyl Acrylate Content | Westlake | 21 weight % |
| Melt Index (Condition 190°C/2.16 kg) | D 1238 | 0.45 g/10 min |
| Density | D 1505 | 943 kg/m ³ (0.943 g/cm ³) |
| Vicat Softening Temperature | D 1525 | 53°C (127°F) |
| Melting Point by DSC (T _m) | D 3418 | 82°C (180°F) |
| Brittleness Temperature | D 746 | <-73°C (<-99°F) |
| Durometer Hardness Shore D Scale | D 2240 | 39 |
| Tensile Stress @ Break (500 mm/min, 20 in/min) | D 638 Type IV | 18 MPa (2,600 psi) |
| Elongation @ Break (500 mm/min, 20 in/min) | D 638 Type IV | 820% |

^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 prepared according to ASTM D 1928.

Processing

Processing conditions for methyl/butyl 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.