

Technical Data Sheet

Applications

- Films – blown and cast
- Medical films
- Disposable gloves & instrument covers
- Silk/quiet films
- Batch inclusion films

Key Attributes

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

Product Description

EMAC® SP2242 is an ethylene methyl acrylate (EMA) copolymer with 18% MA designed for blown or cast film. The high slip and antiblock loading in EMAC® SP2242 provides for easier handling of films and the low C.O.F. needed in many applications. The high compatibility of the resin makes it suitable for many batch inclusion applications.

Typical Physical Properties

Property ^a	Test Method ^b	Typical Value, Units ^c
Methyl Acrylate Content	Westlake	18 weight %
Melt Index (Condition 190°C/2.16 kg)	D 1238	3.5 g/10 min
Density	D 1505	946 kg/m ³ (0.946 g/cm ³)
Peak Melting Point by DSC (T _m)	D 3418	86°C (187°F)
Vicat Softening Point	D 1525	51°C (124°F)
Brittleness Temperature	D 746	< -73°C (< -99°F)
Durometer Hardness Shore D Scale	D 2240	37
Tensile Stress @ Break (500 mm/min, 20 in/min)	D 638 Type IV	11.7 MPa (1,700 psi)
Elongation @ Break (500 mm/min, 20 in/min)	D 638 Type IV	700%

^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 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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06/30/22