Manufacturer website: https://www.westlake.com/

Westlake Polyethylene™

EMAC® SP2413

Ethylene Methyl Acrylate Copolymer

Technical Data Sheet

Applications

- Blown films
- Wire and cable jacketing
- Heat seal layers
- Compatibilizer and impact modifier

Key Attributes

- Adhesion to & compatibility with various polymers
- Soft & flexible without plasticizers
- Highly fillable
- Low melting temperature
- High molecular weight

Product Description

EMAC® SP2413 is an ethylene methyl acrylate (EMA) copolymer with 16.5% MA designed for wire and cable applications. This product contains no slip or antiblock. This resin is an ideal impact modifier and compatibilizer, and the lower melting point provides lower sealing temperature.

Typical Physical Properties

Property [a]	Test Method [b]	Typical Value, Units [c]
Methyl Acrylate Content	Westlake	16.5 weight %
Melt Index (Condition 190°C/2.16 kg)	D 1238	0.6 g/10 min
Density	D 1505	937 kg/m³ (0.937 g/cm³)
Peak Melting Point by DSC (T_m)	D 3418	90°C (194°F)
Vicat Softening Point	D 1525	67°C (153°F)
Brittleness Temperature	D 746	< -73°C (< -99°F)
Durometer Hardness Shore D Scale	D 2240	40

[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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