

Applications

- Films – Blown and Cast
- Flexible Packaging
- Heat Seal Layers
- Impact Modifier & Compatibilizer

Key Attributes

- Adhesion to & compatibility with various polymers
- Low temperature heat & RF sealing
- Low Temperature flexibility
- Soft & flexible without plasticizer

Product Description

EMAC+[®] SP1330 is a 22% ethylene methyl acrylate (EMA) copolymer designed for blown or cast film, tie-layers, and extrusions where flexibility, compatibility, or low heat seal temperatures are required. EMAC+[®] SP1330 is compatible with and provides excellent adhesion to polyolefins, polyesters, and other polymers while providing outstanding low temperature performance. The higher melting point of EMAC+ offers improved heat resistance over standard EMA.

Typical Physical Properties

Property ^a	Test Method ^b	Typical Value, Units ^c
Methyl Acrylate Content	Westlake	22 weight %
Melt Index (Condition 190°C/2.16 kg)	D1238	2.0 g/10 min
Density	D1505	945 kg/m ³ (0.945 g/cm ³)
Vicat Softening Temperature	D1525	48°C (118°F)
Melting Point by DSC (T _m)	D3418	95°C (203°F)
Brittleness Temperature	D746	< -73°C (< -99°F)
Durometer Hardness Shore D Scale	D2240	35
Tensile Strength @ Break (500 mm/min)	D638 Type IV Specimen	10 MPa (1450 psi)
Tensile Elongation @ Break (500 mm/min)	D638 Type IV Specimen	600 %
Secant Modulus of Elasticity	D790	31 MPa (4500 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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