

## Technical Data Sheet

### Applications

- Extrusion coatings and laminations
- Flexible packaging
- Heat seal layers
- Tubing
- Tie layers

### Key Attributes

- Adhesion to & compatibility with various polymers
- Low temperature heat & RF sealing
- Low temperature flexibility
- Soft & flexible without plasticizers
- Higher heat resistance

### Product Description

EMAC+®SP1307 is a 20% ethylene methyl acrylate (EMA) copolymer designed for extrusion coating, laminations, and blending. EMAC+®SP1307 is compatible with and provides increased adhesion to polyolefins, polyesters, and other polymers as a tie-layer, non-skid coating, or heat seal layer. The higher melting point of this EMAC+® grade offers EMA performance with improved heat resistance.

### Typical Physical Properties

Property <sup>a</sup>	Test Method <sup>b</sup>	Typical Value, Units <sup>c</sup>
Methyl Acrylate Content	Westlake	20 weight %
Melt Index (Condition 190°C/2.16 kg)	D 1238	6.0 g/10 min
Density	D 1505	942 kg/m <sup>3</sup> (0.942 g/cm <sup>3</sup> )
Vicat Softening Temperature	D 1525	46°C (114°F)
Melting Point by DSC (T <sub>m</sub> )	D 3418	97°C (207°F)
Brittleness Temperature	D 746	< -73°C (< -99°F)
Durometer Hardness Shore D Scale	D 2240	36
Tensile Stress @ Break (500 mm/min, 20 in/min)	D 638 Type IV	10 MPa (1,380 psi)
Elongation @ Break (500 mm/min, 20 in/min)	D 638 Type IV	825%
Secant Modulus of Elasticity	D 790	42 MPa (6,000 PSI)

<sup>a</sup> Unless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

<sup>b</sup> Unless noted otherwise, the test method is ASTM.

<sup>c</sup> 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.*