

## Applications

- Films – blown and cast
- Flexible packaging
- Heat seal layers
- IV containers and tubing
- Compatibilizer

## Key Attributes

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

## Product Description

EMAC<sup>®</sup> SP2205 is a 20% 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<sup>®</sup> SP2205 provides excellent adhesion to polyolefins, polyesters, and other polymers while providing outstanding low temperature performance.

## 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)	D1238	2.0 g/10 min
Density	D1505	942 kg/m <sup>3</sup> (0.942 g/cm <sup>3</sup> )
Vicat Softening Temperature	D1525	55°C (131°F)
Melting Point by DSC (T <sub>m</sub> )	D3418	84°C (183°F)
Brittleness Temperature	D746	< -73°C (< -99°F)
Durometer Hardness – Shore D Scale	D2240	40
Tensile Stress @ Break (500 mm/min, 20 in/min)	D638 Type IV Specimen	12 MPa (1690 psi)
Elongation @ Break (500 mm/min, 20 in/min)	D638 Type IV Specimen	800%

<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

Methyl/butyl 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.

## 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 or fitness of any product, and nothing herein waives any of the Seller's conditions of sale.*