



# Westlake Polymers

Enhancing your life every day

# EMAC SP2220

## Application/Uses

- Films
- Disposable gloves
- Tubing
- Wound care

## Product Description

Westlake EMAC® SP2220 is a 20% EMA copolymer designed for compounding, extrusion coating, tie-layers, and extrusions where flexibility, compatibility, low heat seal temperatures, or high coefficient of friction are required. SP2220 is compatible with and provides excellent adhesion to polyolefins, polyesters, and other polymers while providing outstanding low temperature performance.

## Typical Physical Properties

| <u>Property<sup>a</sup></u>                    | <u>Test<sup>b</sup> Method</u> | <u>Typical Value, Units<sup>c</sup></u>          |
|--|--------------------------------|--|
| Melt Index (Condition 190°C/2.16 kg)           | D 1238                         | 20.0 g/10 min                                    |
| Density  | D 1505                         | 941 kg/m <sup>3</sup> (0.941 g/cm <sup>3</sup> ) |
| Vicat Softening Temperature                    | D 1525                         | 47°C (117°F)                                     |
| Methyl Acrylate Content                        |                                | 20%  |
| Melting Point by DSC                           | D 3418                         | 82°C (180°F)                                     |
| Brittleness Temperature                        | D 746                          | <-42°C (<-44°F)                                  |
| Durometer Hardness Shore D Scale               | D 2240                         | 36   |
| Tensile Stress @ Break 500 mm/min (20 in./min) | D 638 Type IV Specimen         | 7 MPa (1000 psi)                                 |
| Elongation @ Break 500 mm/min (20 in./min)     | D 638 Type IV Specimen         | 675%   |

<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

EMAC resins adhere to and are compatible with a wide range of materials including paper, polyolefins, oriented polyolefins, polyesters, ionomers, PVC, unplasticized PVC and other polar polymers. For use as heat seal layer, adhesive layer, or modifier for cost/performance enhancement. They are soft, pliable and tough at ambient and freezing temperatures and exhibit excellent ESCR. These polymers exhibit high solids fillability and compatibility with a wide range of polymers. This facilitates their uses as bases for all-purpose concentrates for addition to a wide spectrum of polymers. They process like LDPE.

## FDA

This product has some 21 CFR clearances. Please contact Westlake Product Regulatory Department for statements.

## PROCESSING

Processing conditions for EMAC and EBAC resins will vary depending on application, fabrication equipment, and other resin use. For assistance with applications and temperature profiles, contact the Westlake Technical Services Department at 903-242-7693.

## COMMENTS

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.

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