



# Westlake Polymers

Enhancing your life every day

# EMAC SP2205

## Application/Uses

- Films
- Flexible Packaging
- Disposable gloves
- IV Containers
- Tubing
- Wound care

## Attributes

- Good adhesion or compatibility to various substrates
- Good heat & RF sealing
- Low temperature toughness
- Soft, flexible, tough without plasticizers

## Product Description

EMAC resins adhere to and are compatible with a wide range of materials including paper, polyolefins, oriented polyolefins, polyesters, ionomers, PVdC, 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. EMAC resins process like LDPE.

## 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	2.0 g/10 min
Density	D 1505	942 kg/m <sup>3</sup> (0.942 g/cm <sup>3</sup> )
Vicat Softening Temperature	D 1525	55°C (131°F)
Methyl Acrylate Content		20%
Melting Point by DSC	D 3418	82°C (180°F)
Brittleness Temperature	D 746	<-73°C (<-99°F)
Durometer Hardness Shore D Scale	D 2240	40
Tensile Stress @ Break 500 mm/min (20 in./min)	D 638 Type IV Specimen	12 MPa (1690 psi)
Elongation @ Break 500 mm/min (20 in./min)	D 638 Type IV Specimen	807%

<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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