



Westlake Polymers

Enhancing your life every day

EMAC⁺[®] SP1307

Applications/Uses

- Films
- Disposable Gloves
- Wound Care

Product Description

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

Typical Physical Properties

<u>Property^a</u>	<u>Test^b Method</u>	<u>Typical Value, Units^c</u>
Melt Index (Condition 190°C/2.16 kg)	D 1238	6.0 g/10 min
Density	D 1505	942 kg/m ³ (0.942 g/cm ³)
Methyl Acrylate Content	Westlake	20 wt. %
Vicat Softening Temperature	D 1525	46°C (115°F)
Melting Point by DSC T _m	D 3418	96°C (205°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 Specimen	10 MPa (1380 psi)
Elongation @ Break 500 mm/min (20 in./min)	D 638 Type IV Specimen	825%
Secant Modulus of Elasticity	D 790	42 MPa (6,000 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

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 nominal values. Westlake makes no representation that the material in any particular shipment will conform exactly to the values given.

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