



## Application/Uses

- Films
- Disposable gloves
- Wound care

## Product Description

Westlake EMAC® Plus SP1358 is a 21.5% EMA copolymer containing slip and antiblock. This resin is designed for blown or cast film, tie-layers, and extrusions where flexibility, compatibility, or low heat seal temperatures are required. SP1358 is compatible with and provides excellent adhesion to polyolefins, polyesters, and other polymers while providing outstanding low temperature performance. The higher melting point of this EMAC® Plus grade offers EMA performance with improved heat resistance.

## 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	948 kg/m <sup>3</sup> (0.948 g/cm <sup>3</sup> )
Vicat Softening Temperature	D 1525	49°C (120°F)
Methyl Acrylate Content		20%
Durometer Hardness Shore D Scale	D 2240	37
Tensile Stress @ Break 500 mm/min (20 in./min)	D 638 Type IV Specimen	11 MPa (1565 psi)
Haze	D 1003	15%
Gloss @ 45°	D 2457	43
Dart Impact	D 1709A	405 g
Elmendorf Tear Resistance	D 1922	69 gf
	D 1922	178 gf
Elongation @ Break	D 822	525%
	D 822	760%
Tensile Modulus, 1% Secant	D 822	39 MPa (5600 psi)
	D 822	28 MPa (4100 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

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.

*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/or 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.*