



Application/Uses

- Extrusion Coating
- Compounding
- Hot Melt Adhesives
- Compatibilizer
- Concentrate Base

Key Attributes

- Good adhesion to various substrates
- Compatible with numerous resins
- High filler loadings
- Low temperature performance
- Soft, flexible, tough without plasticizers

Product Description

Westlake EMAC® Plus SP1501 is a 20% EMA copolymer designed for extrusion coating, compounding and blending where low viscosity, flexibility and strength are important. SP1501 provides excellent elasticity and low temperature performance. This resin is capable of very high filler loadings. A higher peak melting temperature than comparable EMA grades makes it a more viable choice for building products that are subjected to 180°F testing.

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	25.0 g/10 min
Methyl Acrylate Content	Westlake Method	20.0%
Vicat Softening Temperature	D 1525	43°C (109°F)
Density	D 1505	941 kg/m ³ (0.941 g/cm ³)
Melting Point by DSC	D 3418	100°C (212°F)
Brittleness Temperature	D 746	<-73°C (<-99°F)
Durometer Hardness Shore D Scale	D 2240	37
Tensile Stress @ Break 500 mm/min (20 in./min)	D 638 Type IV Specimen	800 psi
Tensile Stress @ Yield 500 mm/min (20 in./min)	D 638 Type IV Specimen	560 psi
Elongation @ Break 500 mm/min (20 in./min)	D 638 Type IV Specimen	480%

^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 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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