



Westlake Polymers

Enhancing your life every day

EMAC SP2255

Application/Uses

- Films
- Flexible packaging
- Disposable gloves
- Tubing
- Wound care

Key Attributes

- Good adhesion or compatibility to various substrates
- Good heat and RF sealing
- High slip and antiblock
- Soft, flexible, tough without plasticizers

Product Description

Westlake EMAC® SP2255 is a 17% 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. SP2255 provides excellent adhesion to polyolefins, polyesters, and other polymers while providing outstanding low temperature performance.

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	2.1 g/10 min
Density	D 1505	942 kg/m ³ (0.942 g/cm ³)
Vicat Softening Temperature	D 1525	60°C (140°F)
Brittleness Temperature	D 746	< -73°C (< -99°F)
Durometer Hardness Shore D Scale	D 2240	37
Haze	D 1003	53%
Gloss @ 45°	D 2457	15
Dart Impact	D 1709	300 g
Elmendorf Tear Resistance	D 1922	70 gf
	D 1922	404 gf
Tensile Strength @ Break	D 822	22 MPa (3280 psi)
	D 822	20 MPa (2530 psi)
Elongation @ Break	D 822	470%
	D 822	723%
Tensile Modulus, 1% Secant	D 822	52 MPa (8467 psi)
	D 822	62 MPa (8933 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 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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