

Applications

- Films - blown and cast
- Flexible packaging
- Heat seal layers
- Compatibilizer

Key Attributes

- Adhesion to & compatibility with various polymers
- Low temperature heat & RF sealing
- Low temperature flexibility
- Soft and flexible without plasticizers

Product Description

EMAC[®] SP2404 is an 18.5% EMA copolymer designed for blown or cast film, tie-layers, and extrusions where flexibility, compatibility, or low heat seal temperatures are required. EMAC[®] SP2404 provides excellent elasticity and low temperature performance. Articles produced from EMAC[®] SP2404 will exhibit very high CoF if slip or anti-blocking agents are not added.

Typical Physical Properties

Property ^a	Test Method ^b	Typical Value, Units ^c
Methyl Acrylate Content	Westlake	18.5 weight %
Melt Index (Condition 190°C/2.16 kg)	D1238	2.5 g/10 min
Vicat Softening Temperature	D1525	57°C (135°F)
Density	D1505	941 kg/m ³ (0.941 g/cm ³)
Melting Point by DSC (T _m)	D3418	87°C (187°F)
Brittleness Temperature	D746	< -73°C (< -99°F)
Durometer Hardness – Shore D Scale	D2240	39
Tensile Stress @ Break (500 mm/min, 20 in/min)	D638 Type IV Specimen	1840 psi
Elongation @ Break (500 mm/min, 20 in/min)	D638 Type IV Specimen	735%

^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

Methyl acrylate copolymers are soft, pliable, and tough at ambient and freezing temperatures. They exhibit high solids filling capability and compatibility with a wide range of polymers, facilitating their use as concentrate bases.

Processing

Processing conditions for methyl acrylate copolymer resins vary depending upon application, fabrication equipment, and resin use. These resins are thermally stable and process like LDPE.

Regulatory Compliance

This product has some 21 CFR clearances. Please contact your Westlake Sales Representative for food contact statements.

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