

Applications

- Blown Films
- Flexible Packaging
- Impact Modifier
- Compatibilizer

Key Attributes

- Adhesion to & compatibility with various polymers
- Low temperature heat & RF sealing
- Soft & flexible without plasticizers
- High molecular weight

Product Description

EMAC[®] SP2202 is a 21.5% ethylene methyl acrylate (EMA) copolymer designed for blown film, tie-layers, and extrusions where flexibility, compatibility, or low heat seal temperatures are required. EMAC[®] SP2202 provides excellent adhesion to polyolefins, polyesters, and other polymers while providing outstanding low temperature performance. The high molecular weight of EMAC[®] SP2202 provides good impact modification for polyesters.

Typical Physical Properties

Property ^a	Test Method ^b	Typical Value, Units
Methyl Acrylate Content	Westlake	21 weight %
Melt Index (Condition 190°C/2.16 kg)	D1238	0.45 g/10 min
Density	D1505	943 kg/m ³ (0.943 g/cm ³)
Vicat Softening Temperature	D1525	53°C (127°F)
Melting Point by DSC (T _m)	D3418	82°C (180°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	18 MPa (2600 psi)
Elongation @ Break (500 mm/min, 20 in/min)	D638 Type IV Specimen	820%

^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/butyl acrylate copolymers are soft, pliable, and tough at ambient and freezing temperatures. They exhibit compatibility with a wide range of polymers, which makes them useful as impact modifiers and compatibilizers.

Processing

Processing conditions for methyl/butyl acrylate copolymer resins vary depending upon application, fabrication equipment, and other 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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