

Applications

- Masterbatches/compounding
- Extrusion coating/laminations
- Carpet backing

Key Attributes

- Low viscosity
- Compatibility with many polymers
- Highly fillable

Product Description

EMAC[®] SP2220 is a 20% ethylene methyl acrylate (EMA) copolymer designed for compounding, extrusion coating, tie-layers, and extrusions where flexibility, compatibility, low heat seal temperatures, or high coefficient of friction are required. EMAC[®] SP2220 is compatible with and provides excellent adhesion to polyolefins, polyesters, and other polymers while providing outstanding low temperature performance. EMAC[®] SP2220 is an excellent universal masterbatch resin.

Typical Physical Properties

Property ^a	Test Method ^b	Typical Value, Units ^c
Methyl Acrylate Content	Westlake	20 weight %
Melt Index (Condition 190°C/2.16 kg)	D1238	20.0 g/10 min
Density	D1505	941 kg/m ³ (0.941 g/cm ³)
Vicat Softening Temperature	D1525	47°C (117°F)
Melting Point by DSC (T _m)	D3418	83°C (181°F)
Brittleness Temperature	D746	< -42°C (< -44°F)
Durometer Hardness Shore D Scale	D2240	36
Tensile Stress @ Break (500 mm/min, 20 in/min)	D638 Type IV Specimen	7 MPa (1000 psi)
Elongation @ Break (500 mm/min, 20 in/min)	D638 Type IV Specimen	675%

^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 high solids filling capability and compatibility with a wide range of polymers, facilitating their use as concentrate bases.

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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