

Technical Data Sheet

Eastman™ AAEM

Applications

- Auto oem
- Polymer & plastic

Key Attributes

- Improved adhesion to metal substrates
- Low glass transition temperature for improved coating flexibility
- Outstanding flexibility and corrosion resistance
- Reaction with conventional crosslinkers
- Resin viscosity reduction for lower VOC emissions
- Room temperature cure, isocyanate-free crosslinking

Product Description



Eastman™ AAEM is a methacrylic monomer used to formulate high-solids solution acrylic resins and acrylic emulsions for lower VOC emission industrial and architectural coatings. The ability of AAEM to react with amines and hydrazides makes it an ideal monomer for self-crosslinkable, room temperature cure acrylic emulsions. It also finds use in acetoacetylated polymers crosslinked through chelation with metal ions and for acetoacetylated polymers for producing colorfast fibers (azo-dye). AAEM readily polymerizes with other acrylic and methacrylic monomers.

Typical Properties

Property	Typical Value, Units
General	
Molecular Weight	214.22
Empirical Formula	C ₁₀ H ₁₄ O ₅
Appearance	Clear, light yellow liquid
Color, Gardner	2 max.
AAEM	95.0 wt % min.
2-Hydroxyethyl Methacrylate	4.0 wt % max.
Methacrylic Acid	0.5 wt % max.
Inhibitor (BHT)	300 ppm
Specific Gravity @ 25°C/25°C	1.12
Viscosity @ 25°C	6.8 cP
Solubility	Miscible with most organic liquids
Boiling Point	Polymerizes
Flash Point Cleveland Open Cup	134 °C (273 °F)

Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any

particular shipment will conform exactly to the values given.

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