

Ethylene Glycol Dimethacrylate (EGDMA)

Difunctional methacrylate crosslinking monomer for selected acrylic polymers, adhesives and reactive resin systems.

CAS No. 97-90-5	EC / List No. 202-617-2	Transport Non-dangerous goods
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Product Information

Ethylene glycol dimethacrylate, EGDMA, CAS 97-90-5, carries two polymerizable methacrylate groups. Its difunctional structure makes it a crosslinking comonomer for selected acrylic and methacrylate systems. It differs from ethylene glycol diglycidyl ether, which uses epoxy chemistry.

Specifications

Parameter	Specification
Appearance	Clear colorless liquid
Purity	≥90.0 %
Acid value, stated TDS basis	≤0.05 %
Moisture	≤0.05 %
Colour	≤50 APHA
Inhibitor	20±5 ppm

Supply specifications follow the stated ZXCHEM TDS. Select the grade against the intended process and evaluate the complete formulation.

Typical Properties

Property	Typical Value
Molecular formula	C10H14O4
Molecular weight	198.22 g/mol

Applications

Acrylic polymer crosslinking: Difunctional comonomer for selected acrylic and methacrylate polymers. Evaluate crosslink density, gel fraction, viscosity and conversion.

Adhesives and emulsion systems: Reactive ingredient for selected adhesive and emulsion-polymer development. Test formulation stability, substrate adhesion and aged performance.

Reactive resin development: Crosslinking monomer for selected PMMA and resin systems. Assess cure response, shrinkage and finished mechanical properties.

Packaging / Storage

Item	Information
Packing	200 kg plastic drums
Storage	Keep in the original inhibited condition in a cool, shaded, ventilated area. Protect from heat, light and initiator contamination; follow the stabilizer-specific headspace requirements and avoid uncontrolled de-inhibition.
Handling	Use a closed transfer system or suitable extraction. Wear compatible chemical gloves, goggles and protective clothing; avoid mist and skin contact. Control temperature and exclude unintended polymerization initiators.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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