

ChangFu® MADT
Methacryloxypropyl-Terminated Polydimethylsiloxane

Description	ChangFu® MADT is a reactive polysiloxane that uniquely combines the flexibility and heat resistance of siloxane with the superior curability of acrylate chemistry. This advanced material is widely utilized in high-performance coatings, adhesives, and composites, delivering exceptional durability and processing efficiency.
Features & Benefits	<p>Contains reactive methacrylate functional groups capable of participating in free radical polymerization.</p> <p>Retains flexibility, hydrophobicity, and heat resistance of PDMS.</p> <p>Exhibits low surface energy, high breathability, and excellent weather resistance.</p> <p>Demonstrates good compatibility with organic monomers.</p>
Applications	<p>UV curing material: Used in UV-curable coatings and inks to significantly enhance flexibility, abrasion resistance, and surface smoothness.</p> <p>Surface treating agent: Applied in anti-fouling coatings and release agents to reduce surface adhesion.</p> <p>Biomedical field: Modifies contact lens materials and medical catheters, enhancing oxygen permeability and biocompatibility.</p> <p>Electronic field: Serves as a toughening agent for encapsulants and flexible circuit materials, with outstanding high/low-temperature resistance (−50°C to 200°C).</p>

Typical Properties

Description	Methacryloxypropyl-Terminated Polydimethylsiloxane
Product No.	ChangFu® MADT
CAS No.	58130-03-3
Appearance	Colorless to light-yellow clear liquid
Active ingredients	100%
Viscosity, cst	10~500

Package	Offered in 25L pails and 200L drums. Custom packaging is available.
Storage	Stored in a cool, well-ventilated place. Keep the container tightly closed.
Transportation	See the corresponding Safety Data Sheet.