

ChangFu® EP12H
(3-Glycidoxypropyl)-1,1,3,3-tetramethyldisiloxane



Description	ChangFu® EP12H is a bifunctional epoxy siloxane, composed of a tetramethyldisiloxane connecting a propyl chain and epoxy functional group, combining the stability of siloxane and the reaction activity of epoxy groups. It is commonly used as a precursor for the synthesis of hybrid organic-inorganic materials, which are employed in coatings, adhesives, and sealants.
Features & Benefits	Highly reactive crosslinker. Excellent compatibility. Enhance material performance.
Applications	Used as a resin modifier for polyurethane, polyamide, polyimide, and epoxy resin to improve the comprehensive properties of polymers. Used as an active diluent for epoxy resin to reduce the viscosity and improve processing performance. Used as a key component in functional materials for fields such as electronic packaging and fuel cells to improve the chemical stability and mechanical strength.

Typical Properties

Description	(3-Glycidoxypropyl)-1,1,3,3-tetramethyldisiloxane
Product No.	ChangFu® EP12H
CAS No.	17980-29-9
Formula	C10H23O3Si2
Purity	min 95%
Color	Colorless or light yellow
Appearance	Clear liquid

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