

### ChangFu® BEP12



1,3-Bis(3-glycidoxypropyl)-1,1,3,3-tetramethyldisiloxane

**Description** ChangFu® BEP12 has a dual-end epoxy functional group. Through the curing reaction of epoxy group, it can introduce the Si-O-Si- structure into the curing network and effectively exert the electrical insulation properties of silicone structures. It can significantly lower the viscosity of casting resins and enhance the electrical and mechanical properties for electronic and electrical materials.

**Features & Benefits** Workable for aqueous-based system.  
Owns a dual-end epoxy functional group.  
Excellent crosslinking agent and curing agent for epoxy systems.

**Applications** Used to produce epoxy terminated polysiloxanes which mainly act as textile additives.  
Used as a copolymerization modifier of polyester, epoxy resin, polyurethane and other organic polymers.  
Can be used as a low volatile and reactive epoxy diluent in the processing of epoxy resin casting system.

### Typical Properties

Product No.	ChangFu® BEP12
Description	1,3-Bis(3-glycidoxypropyl)-1,1,3,3-tetramethyldisiloxane
CAS No.	126-80-7
Formula	C <sub>16</sub> H <sub>34</sub> O <sub>5</sub> Si <sub>2</sub>
Purity	min 97%
Color	Colorless or light yellow
Appearance	Clear liquid

**Package** Offered in 25L PE pails and 200L PVF steel drums.  
Custom packaging is available.

**Storage** Stored in a cool, well-ventilated place.  
Keep container tightly closed.

**Transportation** Non-hazardous for transportation.