

### ChangFu® BEX12



1,3-Bis[2-(3,4-epoxycyclohexyl)ethyl]-1,1,3,3-tetramethyldisiloxane

**Description** ChangFu® BEX12 is a specialty epoxy siloxane compound with high reactivity. Due to its low surface tension and better lubrication properties, it has been widely used in various fields such as surface treatment, coatings, inks, sealants, and adhesives. When mixed with epoxy resin, it is able to improve the crosslinking density and heat resistance of the resulting polymers.

**Features & Benefits** Dual-end siloxane with epoxycyclohexyl group.  
Highly reactive with various organic compounds.  
Workable in water-borne system.  
Excellent crosslinking agent for epoxy system.

**Applications** Used as an important additive in the synthesis of silicone polymers that are mainly utilized in electronics, semiconductor, automobiles, and textile industries.  
Used as a crosslinking agent and curing agent to improve the weatherability, hardness and elasticity of paints and coatings, sealants, and adhesives.

### Typical Properties

Description	1,3-Bis[2-(3,4-epoxycyclohexyl)ethyl]-1,1,3,3-tetramethyldisiloxane
Product No.	ChangFu® BEX12
CAS No.	18724-32-8
Formula	C <sub>20</sub> H <sub>38</sub> O <sub>3</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** See the corresponding Safety Data Sheet.