

Technical Data Sheet



ChangFu® BHE12 1,3-Bis(5-hexenyl)-1,1,3,3-tetramethyldisiloxane

Description ChangFu® BHE12 is a difunctional hexenyl siloxane that combines the low surface energy and thermal stability of organosilicon with the reactivity of hexene. It is a key raw material for the modification and crosslinking of organosilicon materials, suitable for high-end silicone rubber, special silicone oil, and composite material modification.

Features & Benefits Dual functionalization.
Excellent flexibility and compatibility.
Chain growth and crosslinking regulation can be realized.

Applications Used as crosslinking agent and chain extender for addition type silicone rubber and resin to improve tensile strength, flexibility and ageing resistance.
Used for polymer modification and silicone polymer synthesis to prepare special silicone oil with high temperature resistance and chemical corrosion resistance.
Used for powder treatment to improve the dispersion in organic matrix and enhance the mechanical strength and processing performance of composite materials.

Typical Properties

Description	1,3-Bis(5-hexenyl)-1,1,3,3-tetramethyldisiloxane
Product No.	ChangFu® BHE12
CAS No.	104360-37-4
Formula	C ₁₆ H ₃₄ OSi ₂
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 the container tightly closed.

Transportation See the corresponding Safety Data Sheet.