

ChangFu® BOT12

1,3-Bis[3-[3-ethyl-3-oxetanyl) methoxy] propyl]-1,1,3,3-tetramethyldisiloxane



Description ChangFu® BOT12 is a special siloxane with double-ended oxetane functional groups. Its unique structure gives it low surface tension and high reactivity, especially suitable for cationic UV curing, making it an excellent reactive diluent, cross-linking agent and adhesive.

Features & Benefits High reactivity, prone to cationic ring-opening polymerization.
Excellent compatibility with epoxy resins.
Low surface energy and hydrophobicity.

Applications Used as reactive diluent and crosslinking agent for cationic UV curing to provide excellent adhesion, flexibility and wear resistance.
Used as surface treatment agent for composite materials to improve the interface bonding force, thereby enhancing the overall mechanical properties.
Used as adhesive to improve bonding strength and flexibility.

Typical Properties

Product No.	ChangFu® BOT12
Description	1,3-Bis[3-ethyl-3-oxetanyl) methoxy] propyl]-1,1,3,3-tetramethyldisiloxane
CAS No.	3207-05-4
Formula	C ₂₂ H ₄₆ O ₅ Si 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 container tightly closed.

Transportation See the corresponding Safety Data Sheet.