

ChangFu® BPO12
1,3-Bis(3-(2-hydroxyethoxy)propyl)-1,1,3,3-tetramethyldisiloxane



Description ChangFu® BPO12 is a bifunctional organosilicon compound. This unique structure endows it with the hydrophobicity and flexibility of organosilicon, as well as the reactivity of hydroxyl groups, making it a high-quality intermediate for high-performance waterborne polyurethane and organosilicon modified materials.

Features & Benefits Good thermal stability and weather resistance.
Excellent flexibility and hydrophobicity.
Perfect compatibility with polyurethane and acrylic resins.

Applications Used as modifier for epoxy, polyurethane, and acrylic resins to improve the flexibility, impact resistance, and hydrophobicity of products.
Used as crosslinking agent for composite materials to enhance the interfacial bonding force, mechanical properties, and water resistance between substrates and polymer materials.
Used as intermediate for textile smoothing agents and hydrophilic finishing agents, endowing fabrics with softness, smoothness, and wash resistance.

Typical Properties

Description	1,3-Bis(3-(2-hydroxyethoxy)propyl)-1,1,3,3-tetramethyldisiloxane
Product No.	ChangFu® BPO12
CAS No.	441307-02-4
Formula	C14H34O5Si2
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.