

ChangFu® EX34



2-(3,4-Epoxy cyclohexyl)ethyltris(trimethylsiloxy)silane

Description ChangFu® EX34 is a versatile silane coupling agent that combines the reactivity of an epoxy group with the stability of a siloxane backbone. This dual functionality makes it particularly valuable in a wide range of applications, including adhesives, composite materials, coatings, and surface modification.

Features & Benefits An epoxy functional silane with high reactivity and can undergo ring-opening reactions. When exposed to water, the silane may undergo hydrolysis, leading to the formation of silanol groups, which can bond with inorganic surfaces like glass, metal, and ceramics. High thermal stability, especially suitable for high-temperature applications.

Applications Used to enhance the adhesion and durability of coatings, adhesives and sealants to inorganic substrates, particularly in the manufacture of encapsulants, coatings, and adhesives for electronic components. Used to modify surfaces of composite materials such as glass fibers, fillers, and metal surfaces, enhancing their compatibility and bonding properties.

Typical Properties

Description	2-(3,4-Epoxy cyclohexyl)ethyltris(trimethylsiloxy)silane
Product No.	ChangFu® EX34
CAS No.	90492-24-3
Formula	C ₁₇ H ₄₀ O ₄ Si ₄
Purity	min 96%
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.