

ChangFu® BET32

1,2-Bis(trimethoxysilyl)ethane



Description ChangFu® BET32 is a hybrid compound that is formed by organic and inorganic moieties interacting with each other. It is an important dipodal silane with six alkoxy groups. When used in combination with silane coupling agents, it can greatly enhance the adhesion. Compared to 1,2-Bis(triethoxysilyl)ethane, ChangFu® BET32 is more reactive and less eco-friendly with methanol as the reaction byproduct.

Features & Benefits Non-functional silane with highly reactivity.
Reacts slowly with moisture/water.
Ability to crosslink with various materials.
Ability to form up to 6 bonds to inorganic substrates.

Applications Used as a surface protection agent for metals such as steel, aluminum, to enhance corrosion resistance and improve adhesion strength.
Used as a crosslinker in the synthesis of dental resin-based composites.
Used to prepare hybrid silica membranes which show higher selectivity, improved thermal stability, and chlorine resistant performance.

Typical Properties

Description	1,2-Bis(trimethoxysilyl)ethane
Product No.	ChangFu® BET32
CAS No.	18406-41-2
Formula	C ₈ H ₂₂ O ₆ Si ₂
Purity	min 97%
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.