

ChangFu® GN32



1,1,3,3-Tetramethyl-2-(3-(trimethoxysilyl)propyl)guanidine

- Description** ChangFu® GN32 is valued for its ability to enhance adhesion, durability, and chemical resistance across a broad range of applications. Its versatile properties make it indispensable in industries requiring advanced materials with improved performance characteristics.
- Features & Benefits** A guanidine group attached to a propyl chain terminated with trimethoxysilyl groups. Exhibits good compatibility with various organic resins and polymers.
- Applications**
- Used as an excellent catalyst for crosslinkers such as ChangFu® VIPs, methyltrimethoxysilane, tetraethyl orthosilicate, in the production of RTV silicone rubber.
 - Used to enhance bonding strength and durability in adhesive formulations used in automotive, construction, and aerospace industries.
 - Used to improve the adhesion of coatings to substrates like metals, glass, and ceramics, thereby enhancing corrosion resistance and durability.
 - Used in composite materials to strengthen the bond between reinforcing fibers (such as glass or carbon fibers) and resin matrices, improving mechanical properties.
 - Used as a surface treatment agent to modify the surface energy and improve the wetting and spreading characteristics of coatings and paints.
 - Used in electronic encapsulation and packaging materials to improve moisture resistance and adhesion to substrates.

Typical Properties

Description	1,1,3,3-Tetramethyl-2-(3-(trimethoxysilyl)propyl)guanidine
Product No.	ChangFu® GN32
CAS No.	69709-01-9
Formula	C ₁₁ H ₂₇ N ₃ O ₃ Si
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.