

ChangFu® SH22



3-Mercaptopropylmethyldimethoxysilane

Description ChangFu® SH22 is an important silane compound with a thiol group at one end. The SH group can form strong covalent bonds with various inorganic substrates such as metal, glass, nanoparticles. Due to its excellent properties, it has been commonly employed as a silane coupling agent, an adhesion promoter, a surface modifier, and a crosslinking agent.

Features & Benefits

- Sulfur functional dialkoxysilane.
- An outstanding coupling agent and surface modifier.
- Can react with unsaturated bonds.
- Effective for enhancing chemicals and physical properties of mineral filled elastomers.

Applications

- Used as a raw material in the preparation of various silicone polymers, including mercapto functional modified silicone oil, UV curable resin and silicone rubber.
- Used as a coupling agent and a surface modifier to produce filled elastomeric materials for rubber and tire, shoe soles, wires, and cables manufacturing.
- Used for the surface modification of various inorganic materials including silica nanoparticles, metals, and glass.

Typical Properties

Description	3-Mercaptopropylmethyldimethoxysilane
Product No.	ChangFu® SH22
CAS No.	31001-77-1
Formula	C ₆ H ₁₆ O ₂ SSi
Purity	min 98%
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.