

Technical Data Sheet

ChangFu® SH22
3-Mercaptopropylmethyldimethoxysilane



Description ChangFu® SH22 is a thiol-functional silane coupling agent. With its unique thiol-alkoxysilyl structure, it delivers stronger bonding, enhanced durability, and broader compatibility. These properties make it ideal for high-performance coatings and advanced composites.

Features & Benefits Superior coupling agent and surface modifier.
Able to 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

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|-------------|---|
| 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.