

ChangFu® MA12



3-(Methacryloxy)propyldimethylmethoxysilane

Description ChangFu® MA12 is a functional silane compound containing a methacrylate group. Its unique combination of methacrylate and silane functionalities makes it ideal for improving the adhesion, durability, and mechanical properties of materials in industries such as adhesives, coatings, composites, and electronics.

Features & Benefits Its reactive methacryloxy group can undergo free radical polymerization or copolymerization with other monomers, making it useful for crosslinking applications.
An excellent coupling agent, adhesion promoter, crosslinker, and surface modifier.

Applications Used as a coupling agent in the synthesis of adhesives, coatings, rubber, plastics, glass fibers, and other composite materials. It is also employed in electronics and semiconductor industries to produce specialized polymers and coatings with tailored properties.
Used as a surface modifier, it enhances the treatment of inorganic substrates such as metals, glass, and ceramics, improving adhesion and durability.
Used in the treatment of glass fibers and metal surfaces to improve their bonding to organic resins in composites or to provide corrosion protection.
Used in dental applications to improve the bonding between dental composites and tooth enamel or other inorganic dental materials.

Typical Properties

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Product No.	ChangFu® MA12
CAS No.	66753-64-8
Formula	C ₁₀ H ₂₀ O ₃ Si
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.