

ChangFu® A12



3-Acryloxypropyldimethylmethoxysilane

Description ChangFu® A12 is a functional silane compound containing an acryloxy group in its structure. It acts as a coupling agent, adhesion promoter, and crosslinking agent in various industrial applications, particularly in the modification of materials such as glass, metal, ceramics, and polymers.

Features & Benefits The acryloxy group can undergo free radical polymerization, making it useful for crosslinking applications in polymers, resins and coatings. Has the ability to form strong covalent bonds between organic polymers with inorganic substrates.

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.

Typical Properties

Description	3-Acryloxypropyldimethylmethoxysilane
Product No.	ChangFu® A12
CAS No.	111918-90-2
Formula	C ₉ H ₁₈ 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 the container tightly closed.

Transportation See the corresponding Safety Data Sheet.