

ChangFu® C412
n-Butyldimethylmethoxysilane



Description	ChangFu® C412 is a specialty monofunctional silane containing a long-chain n-butyl group. Its molecular structure delivers better polymer compatibility compared to conventional short-chain silanes, making it suitable for flexible composite applications.
Features & Benefits	Exhibits high reactivity and excellent organic compatibility. Excellent surface modifier for chromatographic column packing, exhibiting strong retention capability for non-polar compounds.
Applications	Used as a surface modifier for inorganic fillers and nanoparticles, primarily in the preparation of packing materials for reversed-phase chromatographic column. Used as a terminator for the synthesis of composites that can react with silanol groups. Used for surface treatment of glass, ceramics, and metals, forming a hydrophobic coating to enhance anti-corrosion and anti-fouling properties.

Typical Properties

Description	n-Butyldimethylmethoxysilane
Product No.	ChangFu® C412
CAS No.	64712-50-1
Formula	C ₇ H ₁₈ OSi
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.