

ChangFu® C1211

n-Dodecyldimethylchlorosilane



Description ChangFu® C1211 is a long chain chlorosilane with outstanding hydrophobic properties and surface modification performance. It can be employed for silica nanoparticles modification in the preparation of HPLC reverse phases columns, exhibiting stronger ability to identify non-polar substances than ChangFu® C8 silanes.

Features & Benefits C12 functional chloro silane.
Reacts violently with moisture/water.
Excellent hydrophobic properties.
Excellent surface modifier of silica nanoparticles.

Applications Used as a surface modifier in the preparation of functionalized silica nanoparticles, which are mainly used in reversed phase C8 chromatographic columns.
Used for the surface modification and functionalization of inorganic substrates such as metals, glass, and ceramics.
Used as a precursor and a silylation reagent to produce various organic silicon compounds.
Used for hydrophobic modification of wood-plastic composites, fabrics, and polymers.

Typical Properties

Description	n-Dodecyldimethylchlorosilane
Product No.	ChangFu® C1211
CAS No.	66604-31-7
Formula	C ₁₄ H ₃₁ ClSi
Purity	min 96%
Color	Colorless or light yellow
Appearance	Clear liquid

Package Offered in 25L PE pails and 200L PVF steel drums.
Custom packaging is available.

Storage Stored in a cool, well-ventilated place.
Keep container tightly closed.

Transportation See the corresponding Safety Data Sheet.