Technical Data Sheet

ChangFu® BET53
1-(Triethoxysilyl)-2-(diethoxymethylsilyl)ethane

昌孚化工
特种有机硅

Description

ChangFu® BET53 is a dipodal silane with trimethoxy silane and diethoxy methyl silane groups, combining high hydrolytic stability with excellent crosslinking capability, making it an ideal interface modifier in the field of high-performance composite materials.

Features & Benefits

Multifunctional cross-linking ability.
Excellent hydrophobicity and water resistance.
Enhanced flexibility and stress buffering effect.

Applications

Used in the interface modification of inorganic fillers, glass fibers, and carbon fibers to improve compatibility with resins, mechanical strength, and water resistance.
Used in environmentally friendly passivation treatment of metal surfaces, replacing traditional chromate processes, and is suitable for aluminum, galvanized sheets, etc.
Used in high-end anti-corrosion coatings and heavy-duty anti-corrosion paints to improve coating adhesion, salt spray resistance, damp heat resistance, and aging resistance.

Typical Properties

Description	1-(Triethoxysilyl)-2-(diethoxymethylsilyl)ethane
Product No.	ChangFu® BET53
CAS No.	18418-54-7
Formula	C13H32O5Si2
Purity	min 97%
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.