

ChangFu® DMN32



(N,N-Dimethyl-3-aminopropyl)trimethoxysilane

Description ChangFu® DMN32 is a silane monomer containing aminopropyl and trialkoxy functional groups. When exposed to moisture or water, its alkoxy group will hydrolyze to generate silanol and release methanol as a hydrolysis reaction byproduct. The silanol will undergo condensation reaction with hydroxyl groups on the inorganic substrates surface, then achieve the coupling and bonding between inorganic materials and organic polymers.

Features & Benefits Reacts slowly with moisture/water.
Tertiary amino functional group.
Composed of trialkoxy group.
No need to add acid substances as catalysts for hydrolysis reaction.

Applications Used to improve the strength performance of tires and rubbers.
Used as an adhesion promoter or primer in coatings, inks, adhesives, and sealants.
Used for the surface modification of inorganic fillers, flame retardants, and glass fibers to improve their dispersion, compatibility, adhesion, and reinforcement in the resin.
Used in resin casting and grinding to improve the adhesion and water resistance between the resin and silica sand or abrasives.

Typical Properties

Product No.	ChangFu® DMN32
Description	(N,N-Dimethyl-3-aminopropyl)trimethoxysilane
CAS No.	2530-86-1
Formula	C ₁₀ H ₂₁ NO ₃ Si
Purity	min 98%
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.