

Technical Data Sheet

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

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| Product No. | ChangFu® DMN32 |
| Description | (N,N-Dimethyl-3-aminopropyl)trimethoxysilane |
| CAS No. | 2530-86-1 |
| Formula | C10H21NO3Si |
| 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 container tightly closed.

Transportation See the corresponding Safety Data Sheet.