Technical Data Sheet

ChangFu® MS-DN

Modified di-amino functional silane

Description

ChangFu® MS-DN is a bifunctional modified organosilane that contains two reactive amino groups and a hydrolyzable methoxy group. In the presence of water, the methoxy group is hydrolyzed to form a reactive silanol group, which can bind to a variety of inorganic substrates. At the same time, its diamino functional group can react with many polymers. Such dual reactivity allows it to perform excellently as a coupling agent and adhesion promoter.

Features & Benefits

Bifunctional modifies silane coupling agent.
Able to improve the resistance to moisture and corrosion.
Able to improve the flexural strength, tensile strength, and impact resistance of elasticity.

Applications

Used as a primer or an additive to produce foundry resins, adhesives, and sealants.
Used as a coupling agent and adhesion promoter of fiberglass and fiberglass composites.
Used as a treatment agent or a primer in the surface modification of glass and metal.
Used as a surface modifier for the pretreatment of inorganic fillers and nanoparticles.
Used as an adhesion promoter in coatings to improve adhesion to inorganic substrates.
Used as a modification agent for silane functionalization of phenolic resins, furan resins, acrylates, PA, PBT, PC, EVA, PVAC, PVC, modified PP, and other polymers.

Typical Properties

Description	Modified di-amino functional silane
Product No.	ChangFu® MS-DN
Appearance	Colorless to yellow clear liquid
Amino Silane Content	⩾85%
Density	1.018~1.043
Refractive Index	1.4300~1.4800

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.