

ChangFu® SP-NVW64



Amino/vinyl functional siloxane oligomer in water

Description ChangFu® SP-NVW64 is an Eco-friendly aqueous solution of siloxane oligomers containing amino and vinyl functional groups. It has high reactivity and can react with various polymers. Due to its multifunctional properties, it has been employed as adhesion promoters between inorganic materials (e.g., glass, metals, and fillers) and organic polymers (thermosets, thermoplastics, and elastomers).

Features & Benefits Highly stable, highly reactive compound with amino and vinyl functional groups. No flammable organic components or volatile organic compounds are released. Suitable for polymer systems with water as the solvent. Able to improve the moisture resistance and corrosion resistance. Able to improve the processability, improved adhesion and filler dispersion. Able to improve mechanical properties such as flexural strength, tensile strength, impact strength and elastic modulus.

Applications Used as an adhesion promoter improve the adhesion and compatibility for sealant, adhesive, paints, and coatings, especially suitable for water-based systems. Used in the surface modification of inorganic fillers and metals, to improve the dispersion and wettability of fillers, improve surface adhesion and corrosion resistance of the substrates. Used as an eco-friendly additive for the preparation of glass fiber reinforcement materials.

Typical Properties

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| Description | Amino/vinyl functional siloxane oligomer in water |
| Product No. | ChangFu® SP-NVW64 |
| Appearance | Colorless to light yellow clear liquid |
| Solid Content | 25±1% |
| Viscosity | 3-10cst |
| PH Value | 10~11 |

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.