Technical Data Sheet

ChangFu® SP-2924
Water-based Thermosetting Silicone Resin

Description

ChangFu® SP-2924 is a multifunctional water-based silicone resin with epoxy functional groups. It offers superior film hardness and enhanced adhesion to metal, glass, and ceramics, achieving a hardness of up to 4H—superior to traditional silicone resins.

Features & Benefits

VOC-Free: No volatile organic compounds are released.
Water-based Compatibility: Ideal for polymer systems using water as a solvent.
High-Performance Coating: Forms a high-strength silicon film with excellent hardness, scratch resistance, adsorption, and solvent corrosion resistance.

Applications

Used as an additive in metal surface treatment solution to enhance salt spray resistance and adhesion performance of the film layer.
Used as an adhesion promoter in sealants, adhesives, and coatings to greatly improve the compatibility of polymer systems.
Used for inorganic filler treatment to improve the dispersibility, wettability, surface adhesion, and chemical resistance of fillers and substrates.
Used as an additive for glass fiber reinforced composite materials.

Typical Properties

Appearance	Colorless or light-yellow clear liquid
Solid Content, wt%	24±1
pH Value	⩽5
Viscosity, mPa.s	⩽12

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.