

ChangFu® SP-DN46



Di-amino functional silicone prepolymer

Description ChangFu® SP-DN46 is a silicone prepolymer containing di-amino functional groups. It is characterized by its linear and cyclic oligosiloxane structure, which gives it low volatility and low viscosity. In addition, it can significantly reduce the generation of VOCs during its addition. Due to its excellent properties, it has been widely used in the preparation of RTV silicone rubber, two-component polyurethane, STPU polymer, MS polymer, and epoxy resins.

Features & Benefits Contains highly reactive diamino functional group.
Able to improve the physical and chemical properties of polymers.
Has high temperature resistance, weather resistance, and low VOCs.
Better surface modifier and adhesion promoter than conventional amino silanes.

Applications Used as a coupling agent or a primer to produce coatings, adhesives, and sealants.
Used to promote adhesion in the synthesis of RTV silicone rubber and hybrid silanes.
Used as a surface modifier of inorganic fillers and nanoparticles.

Typical Properties

Description	Di-amino functional silicone prepolymer
Product No.	ChangFu® SP-DN46
Appearance	Colorless to light yellow clear liquid
Viscosity	40~100cst
Density	1.05~1.10
Refractive Index	1.4400~1.4500

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.