

ChangFu® SP-SH



Mercapto functional silicone prepolymer

Description ChangFu® SP-SH is a silane oligomer containing a sulfur functional group. Compared with mercapto silane monomers, ChangFu® SP-SH has the characteristics of high crosslinking, high adhesion, high boiling point, low volatility, low VOCs, and low dosage. It can replace the small molecule mercapto silane coupling agents and be utilized in coatings, sealants, adhesives, metal powders treatment and other fields.

Features & Benefits Contains highly reactive sulfur functional group.
Low VOC, high temperature resistance, and weather resistance.
Has excellent electrical properties, suitable for semiconductor and optical materials.

Applications Used as a coupling agent and adhesion promoter in the modification of resins and rubbers.
Used as an additive to enhance the bond strength and wettability of adhesives, sealants, paints, and coatings.
Used as a silica modifier to improve the mechanical properties, processing properties, aging resistance, and prevent foaming of silica filled composites.

Typical Properties

Description	Mercapto functional silicone prepolymer
Product No.	ChangFu® SP-SH
Appearance	Colorless to light yellow clear liquid
SiO ₂ Content	35±5%
Viscosity	1~10cps
Density	~1.130
Refractive Index	~1.4490

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.