

ChangFu® SP-A70

Acryloxy functional silicone prepolymer



Description ChangFu® SP-A70 is a special silane oligomer that contains a methacryloxy group in its molecule. This group has a double bond that allows it to undergo free radical polymerization reactions. Since it contains both silica hydroxyl and methacryloxy groups, it combines the advantages of silane oligomers and acrylic polymers. The silica hydroxyl group gives it good adhesion, while the methacryloxy group provides the ability for free radical polymerization, allowing it to form tough, durable coatings or films on a variety of substrates.

Features & Benefits Contains silanol groups that can react with many substrates.
Has high reactivity, good weather resistance, low VOCs.
Able to improve the compatibility between organic polymers and inorganic fillers.
Better surface modifier and adhesion promoter than 3-Methacryloxypropyltrimethoxysilane.

Applications Used for copolymerization with acrylic emulsion to prepare silicone-modified silicone-acrylic emulsion to improve the durability, hydrophobicity, stain resistance and weather resistance of resins and coatings.
Used as a silane coupling agent to improve the adhesion, water resistance, weather resistance and abrasion resistance of adhesives, sealants, composites, and optical fibers.

Typical Properties

Description	Acryloxy functional silicone prepolymer
Product No.	ChangFu® SP-A70
Appearance	Colorless to light yellow clear liquid
Active Ingredient Content	≥ 99%

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.