

Silicone Resin

Specification Sheet

Description: Unique combination of silicone resins especially developed to provide excellent transfer and wash-off resistance combined with a flexible film for long-lasting, long-wearing, smudge-proof cosmetic products.

CAS: 68988-56-7, 36088-62-7

INCI Name: Trimethylsiloxysilicate, Polypropylsilsesquioxane

Composition: Trimethylsiloxysilicate, Polypropylsilsesquioxane

Appearance: White to off-white flakes, little odor

Benefits:

- Excellent film former for long-lasting, rub-off resistant and long-wearing permeable films.
- Improves color intensity and shine.
- Enhances the SPF wash-off resistance in sunscreens.
- Provides non-tacky, silky feel when dried.

Use: Typical use level 1-50%. Add the resin slowly at room temperature or heat to 70C (158F), but under agitation to avoid larger resin aggregates. Compatible solvents are: Isopropyl myristate, triglyceride, cyclomethicone, C12-15 alkyl benzoate, isododecane, isohexadecane. In Isododecane silicone resin dissolves the quickest (< 20 min), in cyclomethicone about 20-30min. Compatible also with sunscreen oil like OM-Cinnamate. Firmness of a lipstick can be improved by adding Silicone Resin without negatively impacting the pay out and reducing the tendency to break from the mold. For external use only.

Applications: Sunscreens, makeup, foundation, lipsticks, color cosmetics that need wash-off & rub-off resistance.

Solubility: Water-insoluble, soluble in oils.

Preservation: Preservative-free

Storage: Store in a closed container at a dry place at room temperature.

Country of Origin: USA

Raw material source: Silica, trimethylsilane, phenyltrichlorosilane, potassium hydroxide.

Manufacture: Trimethylsiloxysilicate is produced by reacting silica with trimethylsilane. Polypropyl silsesquioxane is synthesized by hydrolysis of phenyltrichlorosilane which is then reacted with potassium hydroxide to give the final polymer.

Animal Testing: Not animal tested.

GMO: GMO-free (does not contain plant-derived components)

Vegan: Does not contain animal-derived components.

HS Code: 3208100000