

TCA-5560

INCI Name

PHENYL TRIMETHICONE

Description

TCA-5560 is a copolymer synthesized by Dimethyl Siloxane and Phenyl Siloxane. It is a perfect emollient with non-oily feeling and good compatibility with cosmetic ingredients. It's widely used in skin and hair care products, such as body creams and lotions, sunscreen products, make-up products, deodorants, antiperspirants, hair conditioners and so on.

Specification

Parameter	Value
Appearance	Colorless clear liquid
Odor	Slightly
Viscosity(25°C,mPa·s)	16~60
Refractive index(n_D^{25})	1.45~1.48
Color (APHA)	≤15
Specific gravity(25°C)	0.97-1.10

These values indicate typical specification, they are not intended to be used as product specifications.

Properties

- High refractive index. Impart luster to lipstick, skin cream and hair.
- Non-oily feeling.
- Easy to spread on skin, and able to reduce tacky-feeling caused by other ingredients in formula.
- Good waterproofness.
- Improve dispersibility of pigments in sunscreen and make-up products.

- Good moisturization and skin-achromachia resistance when used in antiperspirant products.
- Good compatibility with cosmetic ingredients.
- Easy to be emulsified with standard emulsifiers by common techniques.

Applications

- Skin lotions and creams
- Make-up products: lipstick, foundation and so on
- Antiperspirant product
- Sunscreen product
- Hair conditioner and hair oil

Formula Guidelines

Typically used at a level of 0.5~5.0%.

Add into oil phase. Heat to 70-80°C, blend with water phase. Finally mix uniformly.

Storage & Handling

Standard Packing:25 kg/drum

Storage: Keep in Cool, Dry, Ventilated and Lightless Place.

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