



Silicone MQ Resin LR-TMS

Description:

LR-TMS is Trimethylsiloxysilicate is a siloxane polymer. Siloxane polymer is a polymer whose main chain structure is composed of alternating silicon atoms and oxygen atoms.

LR-TMS Trimethylsiloxysilicate is a series of solid silicone resin powders, these silicone resins have been specially developed to provide film forming and softness effects. It can provide excellent water repellency and resistance to detergent/ water wash-off and a flexible film with a smooth and comfortable touch on the surface for many skincare products.

CAS: 68988-56-7

Typical Technical Properties:

Powder

Item	LR-TMS-1	LR-TMS-2	LR-TMS-3	LR-TMS-4
INCI Name	Trimethylsiloxysilicate			
Appearance	White Powder			
Resin %	100			
Particle Size(um)	< 150	< 80	< 80	< 80
Film Flexibility	★★★★	★★★★	★★	★★
Long-lasting Waterproof	★	★★	★★★	★★★★

Liquid

Item	LR-TMS-1	LR-TMS-2	LR-TMS-3
INCI Name	Cyclopentasiloxane (and) Trimethylsiloxysilicate	Dimethicone (and) Trimethylsiloxysilicate	Isododecane (and) Trimethylsiloxysilicate
Appearance	Clear Liquid		
Resin %	50	50	20
Viscosity (mPa.s)	70-200	300-700	3-10
Film Flexibility	★★★★	★★★★	★★★★
Long-lasting Waterproof	★★★★	★★★	★★★★



Applications:

Trimethylsiloxysilicate can be added to many skin care products according to its unique performance for different skin concerns.

1. Color cosmetic (Non-sticky Lipstick, Lipgloss, Eyeliner, BB cream)
2. Deodorant & Antiperspirant:
3. Sun care & Skin care (Facial care, Body lotion, body cream, skin conditioning agent)
4. Sticks products, Styling product, Conditioners
5. Emollient - softens and soothes the skin and prevents skin moisture loss.

Advantages

Trimethylsiloxysilicate TMS (SILICONE MQ RESIN) is solid insoluble in water. Its main characteristics are film-forming, the unique hand feels, water resistance, material contamination, water repellency, long-term moisturizing, and smoothness, but without allergic reactions.

1. Long-lasting emollience

Trimethylsiloxysilicate is a highly cross-linked silicone resin, which mainly plays an excellent film-forming role in personal care. It forms a protective barrier on the skin, slows down water loss and maintains skin moisture. Therefore, in the skincare formula, the waterproof properties of Trimethylsiloxysilicate can bring lasting effects to baby cream, sunscreen, protective cream, lotion and insect repellent.

2. Good compatibility with other cosmetic ingredients
3. Promotes pigment adhesion

The film formed by Trimethylsiloxysilicate helps to fix the pigment in place.

4. Imparts wash-off resistance

Film formers help to waterproof skincare and make-up. Therefore, in the skincare formula, the waterproof properties of Trimethylsiloxysilicate can bring lasting effects to baby cream, sunscreen, protective cream, lotion and insect repellent.

5. Prevent pigment agglomeration

Trimethylsiloxysilicate TMS (SILICONE MQ RESIN) has excellent liquidity. Therefore, the powder product is not easy to agglomerate, so as to maintain the free flow characteristics of loose powder products. It can be compounded with Polydimethylsiloxane and cyclic compounds. In cosmetics and personal care products, Trimethylsiloxysilicate silicone polymers can be used in bath products, eye makeup, cosmetics, lipstick, nail polish, hair and personal care products.

6. Excellent anti-frizz properties

In the hair care composition, the silicone MQ resin in Trimethylsiloxysilicate provides volume and body feeling.

7. Humidity resistance

In addition, Trimethylsiloxysilicate also reduces the tendency of finished products to produce foam when shaking, and helps to waterproof skincare and cosmetics, giving humidity resistance.

Technical Data Sheet



www.silfluosilicone.com

Package &Storage:

25kg barrel for powder, 40kg or 200kg drum for liquid. Packaging options are available upon request.

Keep in cool, dry and ventilated place. Keep away from sunlight and fire sources. Keep in unopened containers. It is shipped as non-hazardous substance.

Storage beyond the shelf life does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.