

Manta G711 Silicone Elastomer Gel

Description

Manta G711 is a mixture of octyldimethicone ethoxyglucoside and dimethicone crosspolymer and cyclopentasiloxane. It has a transparent gel-like appearance, unique silky feel and wrinkle-covering function of elastomer gel, and also has the self-emulsifying function brought about by glucose modification. It is especially suitable for moisturizing cream and water-extracting cream formulas, and the formula has good stability.

Typical Physical Properties

INCI/CTFA	Cyclopentasiloxane (and) Caprylyl Dimethicone Ethoxyglucoside (and) Dimethicone Crosspolymer
Appearance	Colorless transparent colloid
Non-volatile content (%)	15-20
Cyclotetrapolysiloxane (D4)	< 1%
Viscosity (cP, S94, 2.5RPM, 25°C)	30,000-100,000

Properties

Emulsifier raw materials are green and natural;
Strong self-emulsifying function, can be cold prepared;
Has a certain oil phase thickening effect;
Transparent appearance, safe and environmentally friendly;
Excellent water-holding properties, especially suitable for moisturizers;
Delicate and smooth feel.

Applications

Manta G711 can be used as high-end skin care and moisturizing products, excellent water-containing performance moisturizing cream and water-extracting cream products.

How to use

When Manta G711 is used alone, it is recommended to disperse it evenly with various oils and fats, then slowly add the water phase in batches, and stir and shear at high speed to disperse;

When compounding, disperse oil with good compatibility and then add it to the oil pan to participate in emulsification, or add it directly in the later stage of emulsification and stir evenly;

The heating operation should be carried out in a closed container, and the heating time should not be too long to avoid volatilization of cyclopentasiloxane;

It is recommended that the operating temperature does not exceed 60°C to avoid volatilization of cyclopentasiloxane.

The recommended usage level is 1%-20%.

Packaging

In 200L drum, IBC

Safety and Storage

Keep away from heat and open flame. Prevent from the exposure of moisture, acid, alkalis and other impurities. When stored at well in the original unopened containers, this product has a usable life of 24 months from the date of production (drum packing).

Contact Information

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