

Manta G700 Silicone Elastomer Gel

Description

Manta G700 is a blend of high molecular weight silicone elastomer and cyclic siloxane. It is a translucent silicone elastomer gel. The nature of its gel determines that this product cannot really dissolve in anything. In the oil phase, it can only exist in a stably dispersed form; this product can be used in a variety of cosmetic formulas such as water/oil emulsion, water/silicone oil emulsion, oil/water emulsion and anhydrous products to obtain dry, velvety smooth, Non-greasy skin feel.

Typical Physical Properties

INCI/CTFA	Cyclopentasiloxane (and) Dimethicone Crosspolymer
Appearance	Colorless to slightly yellow transparent to translucent paste
Non-volatile content(%)	≥ 14
Viscosity (CP, S06, 2.0RPM, 25 °C)	250,000-580,000

Properties

- Velvet-like slippery feel;
- Slightly absorbent to sebum;
- Processing at room temperature can thicken the oil phase;
- Reduce the stickiness of formula systems;
- Enhance the cosmetic benefits of cyclic silicone oil.

Applications

Manta G700 is used in skin care, hair care and other cosmetic formulations: such as sunscreen, makeup, styling products, etc.

How to use

Manta G700 can be directly dispersed in the oil phase of the formula (silicone oil or organic oil, such as dimethyl silicone oil, cyclic silicone oil, phenyl silicone oil, fatty acid esters, hydrocarbons, etc.) to reduce viscosity), stir evenly, no need for subsequent shearing:

In emulsion product formulations, it is recommended to homogenize the oil phase separately before emulsification, or to slowly pour the dispersed oil phase into the product while stirring appropriately. It can also be added later if the viscosity of the entire dispersed phase ensures dispersion of the product. The heating operation should be carried out in a sealed container to avoid the volatilization of the cyclic

silicone oil. It is recommended that the operating temperature should not exceed 60°C.
The recommended usage level is 1-20%, the specific usage method depends on actual needs.

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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