

Manta G701A Silicone Elastomer Gel

Description

Manta G701A is a blend of high molecular weight silicone elastomer, cyclic siloxane and low viscosity polydimethylsiloxane. It is a translucent silicone elastomer gel. The nature of the gel determines it cannot really be dissolved in any oil phase and 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 a dry, velvety smooth, non-greasy skin feel.

Typical Physical Properties

INCI/CTFA	Cyclopentasiloxane (and) Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer
Appearance	Transparent to translucent paste
Non-volatile content(%)	≥ 25
Viscosity (cP, S94, 2.5RPM, 25°C)	50000-200000

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 low-viscosity silicone oil.

Applications

Manta G701A is used in skin care, hair care and other cosmetic formulations: such as sunscreen, makeup, styling products etc.

How to use

Manta G701A can be directly dispersed in the oil phase of the formula (silicon oil or organic oil, such as dimethyl silicone oil, cyclic silicone oil, phenyl silicone oil, fatty acid esters, hydrocarbons, etc., to reduce the viscosity), and stir Uniform without subsequent shearing:

In the formula of emulsion products, it is recommended to homogenize the oil phase separately before emulsification, or slowly pour the dispersed oil phase into the product while stirring appropriately. If the

viscosity of the entire dispersed phase can ensure the dispersion of the product, it can also be added later. ;

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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