

Manta G700D Silicone Elastomer Gel

Description

Manta G700D is a translucent silicone elastomer gel obtained by mixing high molecular weight silicone elastomer and cyclic siloxane. The nature of the gel determines that this product cannot really be dissolved in any oil phase, 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/Vinyl Dimethicone Crosspolymer
Appearance	Colorless to slightly yellow transparent to translucent paste
Non-volatile content(%)	12.00-12.75
Viscosity (cP, S94, 2.5RPM, 25°C)	200,000-500,000

Properties

Translucent Silicone Elastomer Gel;
Velvety smooth, dry and non-greasy;
Slightly absorbent to sebum;
Can be used as oil phase thickener;
Room temperature processing;
Reduce the stickiness of the formula system.

Applications

Manta G700D is used in skin care, hair care and other cosmetic formulations: such as sunscreen, makeup, styling products etc.

How to use

Manta G700D can be directly dispersed in the oil phase (silicone oil or organic oil) of the formula and stirred evenly without subsequent shearing processing;

In the formulation of emulsion products, add directly to the oil phase or silicone oil raw materials;

It is recommended to homogenize the oil phase separately before emulsification, or slowly pour the

dispersed oil phase into this product while stirring appropriately;
If the viscosity of the entire dispersed phase can ensure the dispersion of this product, it can be added later;
For convenience of use, it can be blended with dimethyl silicone oil, cyclic silicone oil, phenyl silicone oil, fatty acid esters, hydrocarbons, etc. to reduce the viscosity;
When heating, it should be carried out in a sealed container to avoid volatilization of the cyclic silicone oil; it is recommended to process at a temperature not exceeding 60°C.

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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