

Manta F10

Amino-terminated Polydimethylsiloxane

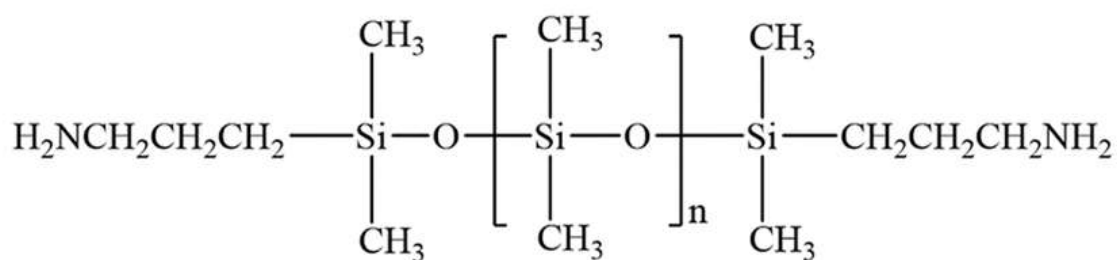
Description

Amino-terminated Polydimethylsiloxane

Typical Physical Properties

Manta code:	F10-10	F10-20	F10-50
Chemical Name:	α , ω -Bis(3-aminopropyl)-polydimethylsiloxane		
CAS No.:	106214-84-0		
Appearance:	Colorless to light yellow oily liquid		
Density(25°C, g/cm ³)	0.950~0.955	0.955~0.960	0.960~0.965
Refractive Index(25°C)	1.415~1.416	1.411~1.413	1.405~1.407
Viscosity(25°C, mm ² /s)	13~18	30~40	100~110
Flash Point(°C, Closed cup)	>150		
Color (Pt-Co)	≤50		
Amine Content(mmol/g)	2.0±0.05	1.0±0.05	0.40±0.05

Chemical Structure



Applications

Manta F10 series silicone oil is an amino-terminated polydimethylsiloxane with strong amino reactivity, so it can be widely used as silicone copolymer modifying for polyurethane, epoxy resin, polyamide, polyimide and other organic polymers. F10 series silicone oil can also be used as a soft and smooth finishing agent for fibers or as a hair care conditioner.

Packaging

In 20kg pail, 200kg drum and 1000kg IBC.

Safety and Storage

It will deteriorate when exposed to acid or alkali, easily absorb carbon dioxide in the air, or be oxidized and turn yellow by oxygen in the air, so it must be sealed and stored at room temperature.

It is amino-weakly alkaline, slightly corrosive, and slightly irritating to skin and eyes, so effective protective measures must be taken when using it. Keep in a room temperature and sealed well. Shelf life is min. 6 months. It is shipped as non-hazardous substance.

Contact Information

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