

Manta F122

Epoxy Capper

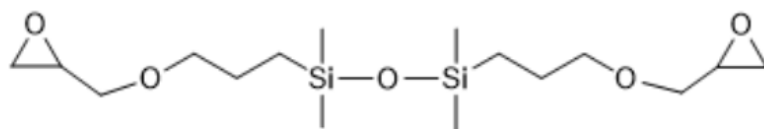
Description

Manta F122 is a type of epoxy terminated disiloxane with strong reactivity, which is widely used in the synthesis of various siloxane polymers with epoxy reactive function groups.

Typical Physical Properties

Manta code:	F122-1k	F122-9k	F122-11k
Chemical Name:	1,3-bis(glycidoxypropyl)-1,1,3,3-tetramethyldisiloxane		
CAS No.:	102782-97-8		
Appearance:	Colorless transparent liquid		
Density(25°C, g/cm ³)	0.98	0.969	0.97
Refractive Index(25°C)	1.417	1.4054	1.4049
Viscosity(25°C, mm ² /s)	15-17	100-300	200-400
Volatile(105°C/3h)	/	≤10.0	≤10.0
Epoxy Value(mmol/g)	2.0	0.22	0.18
Color (Pt-Co)	≤30		
Purity (GC, %)	≥95.00		
Total Effective Substance Content	≥98.00		

Chemical Structure



Applications

Manta F122 epoxy capper has reactive epoxy group which is used to synthesize epoxy-terminated polysiloxane and can be used to synthesize a variety of functional modified silicone oils. It is especially commonly used to synthesize terpolymerized modified amino silicone oil for multi-functional use in textiles finishing; the functional modified silicone oil synthesized with this product can also be used to modify organic resins to improve the softness, slipperiness, isolation and heat resistance of the resin.

Packaging

In 20kg pail, 200kg drum and IBC.

Safety and Storage

Keep in a room temperature and sealed well. Shelf life is min. 12 months.

Contact Information

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