

Version: 1.0

# Manta F80

#### **Epoxy Terminated Silicone Fluid**

## Description

Epoxy Terminated Polyoxyethylenepolyoxypropylene Polydimethylsiloxane Block Copolymer

## Typical Physical Properties

Manta code:	F80-22	F80-18
Chemical Name:	Epoxy Terminated Polyoxyethylenepolyoxypropylene Polydimethylsiloxane	
	Block Copolymer	
CAS No.:		
Appearance:	Colorless to light amber, transparent to slightly turbid oily liquid	
Epoxide	0.20~0.26	0.16~0.24
Equivalent(mmol/g)		
Viscosity(25°C, mm²/s)	400~650	500~1000
Volatile Content (%)	≤10.00	

Chemical Structure

$$\begin{array}{c} \text{CH}_2 - \text{CHCH}_2\text{O}(\text{CH}_2\text{CH}_2\text{CH}_2\text{O}) \text{m} \text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2 \text{CH}_2} \\ \text{CH}_2 - \text{CHCH}_2\text{O}(\text{CH}_2\text{CH}_2\text{CH}_2\text{O}) \text{m} \text{CH}_2\text{CH$$

## **Applications**

The series of silicone oils are epoxy-terminated linear polyether silicone oils, which have epoxy reactivity and can be used to synthesize a variety of functional modified silicone oils. They are especially commonly used to synthesize ternary block copolymerized amino silicone oils and are used as multifunctional textiles finishing agent; This series of silicone oils can also be used to modify organic resins to improve the softness, slipperiness, isolation and heat resistance of the resin.

## **Packaging**

In 200kg drum and 1000kg IBC.



### **Technical Data Sheet**

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## Safety and Storage

Keep in a cool and dry place and avoid storage in direct sunlight. Shelf life is min. 12 months. It is shipped as non-hazardous substance.

### **Contact Information**

Nanjing Manta New Material Co., Ltd

Add: Jiangbei new district, Nanjing (210031), China.

Mob: 0086 18962800162

Mail: inquiry@mantasil.com Web: www.mantasil.com