

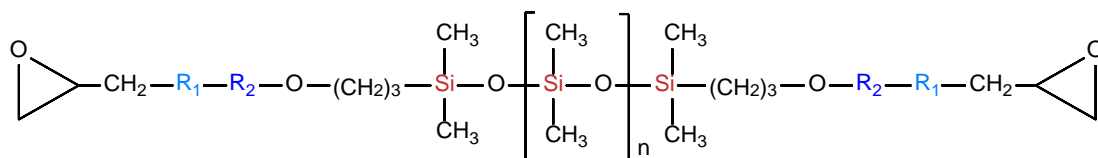
SiSiB[®] EF1001

Epoxy Polyether Silicone Fluid

CHEMICAL NAME

Epoxy Terminated Polyether Silicone Fluid

CHEMICAL STRUCTURE



R1, R2: Polyether, Polyester...

INTRODUCTION

SiSiB[®] EF1001 is a linear multicomponent copolymerized silicone intermediates. It can be reacted with amidogen due to the epoxy group.

TYPICAL PHYSICAL PROPERTIES

Product	M(Me ₂ SiO)	M(EOPO)	M.W.	Epoxy value (mmol/g)
SiSiB [®] EF1001-M8K500	8000	500	9000	0.0222
SiSiB [®] EF1001-M8K600	8000	600	9200	0.0217
SiSiB [®] EF1001-M8K800	8000	800	9600	0.0208
SiSiB [®] EF1001-M8K1500	8000	1500	11000	0.0182
SiSiB [®] EF1001-M10K500	10000	500	11000	0.0182
SiSiB [®] EF1001-M10K600	10000	600	11200	0.0179
SiSiB [®] EF1001-M10K800	10000	800	11600	0.0172
SiSiB [®] EF1001-M10K1500	10000	1500	13000	0.0154
SiSiB [®] EF1001-M13K500	13000	500	14000	0.0143
SiSiB [®] EF1001-M13K600	13000	600	14200	0.0141
SiSiB [®] EF1001-M13K800	13000	800	14600	0.0137
SiSiB [®] EF1001-M13K1500	13000	1500	16000	0.0125
SiSiB [®] EF1001-M15K500	15000	500	16000	0.0125
SiSiB [®] EF1001-M15K600	15000	600	16200	0.0123
SiSiB [®] EF1001-M15K800	15000	800	16600	0.012
SiSiB [®] EF1001-M15K1500	15000	1500	18000	0.0111

SINOPCC GROUP

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SiSiB[®] EF1001

Epoxy Polyether Silicone Fluid

APPLICATIONS

SiSiB[®] EF1001 can be used to synthesis of a variety of block silicone softening agent for textile.

SiSiB[®] EF1001 has already copolymerized silicone and block polyether groups. In the process of synthesizing block silicone oil, only need to add organic amine.

Due to the introduction of a large molecular weight hydrophilic block polyether segment into the structure, its ability to penetrate and wet various fibers is greatly improved, and the hand feeling style is more natural and delicate.

In the process of polymerization with organic amine, the amount of organic solvent can be greatly reduced.

SiSiB[®] EF1001 can be used in waterborne epoxy resin system to improve the flexibility of the resin.

PACKING AND STORAGE

SiSiB[®] EF1001 is supplied in 5Kg pail, 25Kg and 200Kg plastic drum.

In the unopened original container SiSiB[®] EF1001 has a shelf life of one year in a dry and cool place.

NOTES

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability. We disclaim liability for any incidental or consequential damages.

Please send all technical questions concerning quality and product safety to: support@SiSiB.com.