

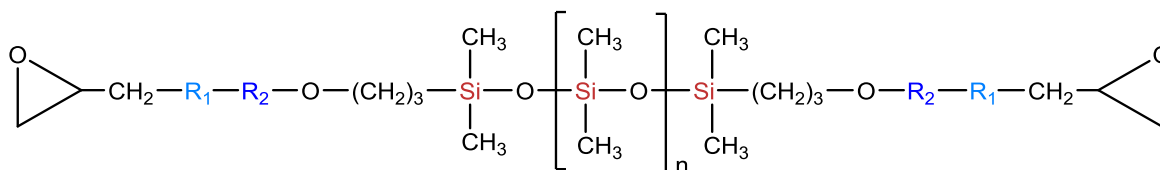
SiSiB[®] EF1000

Epoxy Silicone Fluid

CHEMICAL NAME

Multicomponent copolymerization epoxy silicone fluid

CHEMICAL STRUCTURE



R1, R2: Polyether, Polyester...

INTRODUCTION

SiSiB[®] EF1000 is a linear multicomponent copolymerized silicone intermediates. It can be reacted with amidogen due to the epoxy group.

SiSiB[®] EF1000 is a new type of intermediates which replaces traditional epoxy terminated silicone fluid. It can be used to produce 50-95% content of block silicone fluid.

TYPICAL PHYSICAL PROPERTIES

Product	Viscosity cst	Epoxy value (mmol/g)
SiSiB [®] EF1000-M9K	310~360	0.20~0.22
SiSiB [®] EF1000-M12K	570~620	0.15~0.17
SiSiB [®] EF1000-M14K	620~670	0.13~0.15

SiSiB[®] EF1000-M9K is mainly used to produce fluffy, elastic block silicone oil.

SiSiB[®] EF1000-M12K is mainly used to produce soft, smooth block silicone oil.

SiSiB[®] EF1000-M14K is mainly used to produce super smooth, soft block silicone oil

Molecular weights between 4K~20K are available upon request.

APPLICATIONS

SiSiB[®] EF1000 has silicone, polyether, polyester and acylamino group, customer only need to add the organic amine to obtain the new structure of block silicone fluid. It has

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very good stability. Customer can select the organic amine freely.

SiSiB[®] EF1000 has the hydrophilic polyether chain, customer doesn't need to use ED series of polyether amine in the subsequent block copolymerization, and it may help to reduce the cost of final products.

SiSiB[®] EF1000 can reduce greatly the dosage of the solvent in the process of polymerization with organic amine. The solvent dosage is only 5%-20% of SiSiB[®] EF1000. The final product is homogeneous, transparent, high concentration block silicone fluid; it can improve the performance and also reduces the VOC.

Customer can produce all kinds of hand feelings of block silicone fluid with different molecular weight SiSiB[®] EF1000.

The quaternary ammonium modified block silicone fluid has better hydrophilicity and stability than common quaternary ammonium modified silicone fluid.

SiSiB[®] EF1000 also can be used in waterborne epoxy resin system to improve the flexibility of the resin and reduce the interior stress.

PACKING AND STORAGE

SiSiB[®] EF1000 is supplied in 5Kg pail, 25Kg and 200Kg plastic drum.

In the unopened original container SiSiB[®] EF1000 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.