SiSiB® SF3667

Polyether-silicone copolymer type ABA

Chemical name

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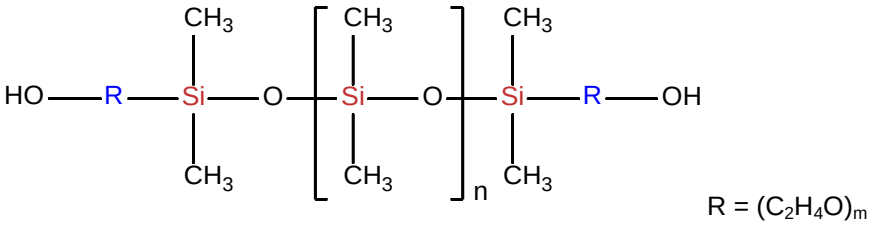
Chemical structure



Introduction

SiSiB® SF3667 is a block co-polymer, it can be added to organic components to improve surface properties.

Features

Used for fibre lubrication:

- ☐ Better compatibility with organic lubricant components than traditional silicones.
- ☐ More scourable than traditional silicones.

Used as fabric coating additive:

- ☐ Improved abrasion resistance
- ☐ Anti-blocking agent
- ☐ Improved flow out of resinous coating.

Typical Physical Properties

Appearance	Hazy liquid
Color	Transparent pale yellow
Active ingredient (%)	100
Viscosity (25°C, cSt)	200-1500
Specific gravity(25°C/77°F)	1.04

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Refractive Index n_D^{25}	1.438
Flash point(°C)	203

Applications

SiSiB® SF3667 can be used as supplied or diluted before addition. It is soluble in water and polar solvents. It disperses in hydrocarbons and oils.

SiSiB® SF3667 can be used as a wetting agent in organic lubricant formulations for synthetic fiber processing. Furthermore the glycol group imparts anti-static properties. As it is soluble in water, it can easily be scoured.

SiSiB® SF3667 can be used as an additive in organic textile coatings, it imparts anti-blocking and softness. It also improves the mar resistance of certain coatings.

SiSiB® SF3667 can be chemically reacted in the network and increases the hydrolytic stability of the resin as the end-blocking glycol contains an active hydroxy group, which is reactive with organic polymers like polyurethane.

Packing and Storage

SiSiB® SF3667 is supplied in 25Kg plastic pail or 200Kg lined steel drum.

When stored at ambient temperature in the original unopened packing, SiSiB® SF3667 has a shelf life of 12 months from the date of production.

SiSiB® SF3667 will become hazy when stored at temperatures below 25°C and will solidify to a soft wax at temperatures below 13°C. The product should be warmed to room temperature and stirred before use.

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.

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

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