

SiSiB[®] STP71300

Silane Terminated Polyether Polymer

INTRODUCTION

SiSiB[®] STP71300 is alkoxy silane mixed-terminated polyether polymer. It can be applied in moisture curing elastic sealant, elastic structure sealant and sealing coatings.

Sealants based on STP71300 have excellent adhesion properties, good adhesion to broad range of substrates, solvent free, isocyanate free, no bubbles and odor generated from curing which are different from polyurethane and silicone system. It is widely used in construction industry, transportation industry and general industry application.

PROPERTIES

Component:	Silane Terminated Polyether Polymer
Appearance:	Yellowish viscous liquid
Viscosity 25°C:	30000~40000mPa·s
Density 25°C:	1.00g/cm ³
Boiling point:	>250°C
Flash point:	> 237°C
Water solubility/miscibility:	Virtually insoluble

FEATURES

- Low activity, High modulus
- Good adhesion strength and tensile elasticity
- Excellent aging and yellowing resistance
- Excellent water resistance and solvent resistance
- Excellent storage stability
- Solvent free, odorless , eco-friendly
- Can be blended with other STP polymers

APPLICATION

SiSiB[®] STP71300 polymer is used as base polymer in elastic sealants, elastic structure sealants, encapsulate adhesives and coatings. The curing mode of the polymer is moisture curing; it can be made into a single component or two-component system.

- High strength adhesive
- Low viscous encapsulate adhesive

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Silane Terminated Polyether Polymer

- Personal DIY sealant

PROCESSING

SiSiB[®] STP71300 polymer dissolves readily in standard organic solvents. Despite its highly reactive terminal groups, un-catalyzed STP71300 is stable in air for several days. SiSiB[®] STP71300 polymer can be formulated by conventional methods and mixing processes. Water scavengers, such as SiSiB[®] PC6110, should be added to stabilize the formulations against premature curing during compounding or as a result of exposure to moisture during storage.

PACKING AND STORAGE

SiSiB[®] STP71300 is supplied in 200Kg steel drum or 1000Kg IBC tote.

In the unopened original container SiSiB[®] STP71300 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.

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