

SiSiB[®] SR8621

Silicone MQ Resin

INTRODUCTION

SiSiB[®] SR8621 is a co-hydrolysis product of tetraalkoxy silane (Q unit) and trimethyl alkoxy silane (M unit). It is the kinetic reaction products of silicates with trimethyl siloxy groups which generate a silicon-based, cross-linked three dimensional network.

SiSiB[®] SR8621 can be compounded with polydimethylsiloxanes or dissolved in appropriate solvents like aromatic and no-aromatic hydrocarbons or lower alcohols.

FEATURES

- ☐ Excellent reinforcing effectiveness for silicone rubber.
- ☐ Compatible with silicone and organic carriers.
- ☐ Cures to give a durable film
- ☐ Thermal stability up to 300°C
- ☐ Good weatherability
- ☐ Good electrical property
- ☐ Water repellency

TYPICAL PHYSICAL PROPERTIES

Appearance	White powder
Viscosity, 60% in xylene @ 25°C	4~8 cSt
M:Q ratio	(0.8-1.0):1.0
Molecular Weight	3000~5000
OH content	1~2%
Volatile @ 150°C, 2h	<1.0%

APPLICATIONS

SiSiB[®] SR8621 can be used as reinforcing filler of silicone pressure sensitive adhesives.

SiSiB[®] SR8621 can be used as intermediate of protective coatings for scratch resistance, insulation resistance, etc.

SiSiB[®] SR8621 can be used as additives of releasing agents, deformers, releasing modifiers, etc.

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SiSiB[®] SR8621 can be used as treatment of granular materials for water repellency.

PACKING AND STORAGE

SiSiB[®] SR8621 is supplied in 25Kg fiber drum.

In the unopened original container SiSiB[®]SR8621 has a shelf life of 18 months 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.