

SiSiB[®] SR8620

Silicone MQ Resin

INTRODUCTION

SiSiB[®] SR8620 is a silicone MQ resin available in white powder or flake form. This resin features a compact, double-layer cage structure composed of highly branched, methyl-terminated oligosiloxanes. It contains a certain amount of reactive silanol groups, which can participate in reactions to form highly crosslinked and stable polysiloxane networks in many applications. This unique molecular structure grants SR8620 excellent mechanical properties, insulation, moisture resistance, and the ability to withstand both high and low temperatures.

SiSiB[®] SR8620 is produced using a solvent-free process, free from harmful organic solvents such as isopropane and xylene.

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 or flakes
Viscosity, 60% in xylene @ 25°C	6~18 cps
M:Q ratio	(0.8-1.0):1.0
Molecular Weight	4000~7000
OH content	3.5~5.5%
Volatile @ 150°C, 2h	<1.5%

APPLICATIONS

SiSiB[®] SR8620 can be used as reinforcing filler of silicone pressure sensitive adhesives.

SiSiB[®] SR8620 can be used as intermediate of protective coatings for scratch resistance,

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insulation resistance, etc.

SiSiB® SR8620 can be used as additives of releasing agents, deformers, releasing modifiers, etc.

SiSiB® SR8620 can be used as treatment of granular materials for water repellency.

PACKING AND STORAGE

SiSiB® SR8620 is supplied in 20Kg fiber drum.

In the unopened original container SiSiB®SR8620 has a shelf life of 12 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.