

SiSiB® SR8688 Silicone MQ Resin

INTRODUCTION

SiSiB® SR8688 is a silicone MQ resin in white powders or flakes. It is composed of oligosiloxanes with methyl terminated multi-branched chains.

SiSiB® SR8688 is specifically developed for the addition cure pressure sensitive adhesive to achieve high peel strength. Its unique molecular structure provides excellent physical properties, insulation, moisture resistance, and weather resistance.

EFFECTS

- Outstanding reinforcement and tackifying effects.
- Excellent compatibility with silicone materials and organic solvents.
- High transparency.
- Thermal stability up to 300 °C.
- Good weather resistance.
- Excellent moisture resistance and water repellency.
- Soluble in toluene or xylene.

PHYSICAL PROPERTIES

Appearance	White powders or flakes
Bulk Density	~500 g/l
M:Q Ratio*	(0.8-1.0):1.0
Viscosity, 60% in xylene (25°C)	7-14 cP
M.W. (GPC/MB)	3500-8000
Hydroxy Content	Max.2.0 %
Volatiles (150°C, 3h)	Max.2 %
Solution in toluene / xylene	100% soluble, clear and colorless

*M: $(\text{CH}_3)_3\text{SiO}_{1/2}$ *Q: $\text{SiO}_{4/2}$

APPLICATIONS

SiSiB® SR8688 is used in various applications, including as a reinforcing filler for silicone pressure-sensitive adhesives (PSA), an intermediate for protective coatings to enhance scratch resistance and insulation, and as an additive for mold release agents. It is also effective as a waterproofing treatment for granular materials.

Additionally, SiSiB® SR8688 is used in personal care products, such as makeup, skincare, and sun protection products.

SiSiB® SR8688 Silicone MQ Resin

PACKING

SiSiB® SR8688 is available in 20Kg Bag.

HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website, from the distributor, or by contacting SiSiB customer service.

STORAGE

SiSiB® SR8688 Silicone Resin has a shelf life of 24 months from the date of manufacture when stored in its original, unopened containers at or below 25°C (77°F). After opening, containers should be tightly sealed to prevent contamination and moisture from entering the product.

NOTE

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.