

SiSiB® SR8255 Solid Silicone Resin

INTRODUCTION

SiSiB® SR8255 is a 100% solid, silanol-functional methylphenyl silicone resin supplied in powder form. It is designed for use in high-performance, heat-resistant coatings and can be blended with organic resins to enhance thermal stability, weatherability, and electrical properties.

EFFECTS

- Excellent heat resistance
- Outstanding weatherability and UV resistance
- High glass transition temperature
- Excellent dielectric properties
- Good compatibility with organic resins
- Environmentally friendly, solvent-free solid resin

PHYSICAL PROPERTIES

Appearance	Solid powder / granule
Color	White to yellowish
Substituent Type	Phenyl, methyl
Solids Content (180°C, 1h, %)	Min.99
Heat Loss, 350°C, 4h, %	Max.5
Softening Point (°C)	70-90
Gelation Time (200°C, min)	10-60

These values are typical and not intended for specification purposes.

APPLICATIONS

SiSiB® SR8255 is widely used as a binder in high-temperature and weather-resistant coatings, offering excellent thermal and UV stability. It is suitable for use in powder coatings, industrial bake coatings, and protective finishes for electrical insulation and outdoor equipment.

Additionally, SiSiB® SR8255 can be blended with solvent-based silicone resins to reduce volatile organic content (VOC) or incorporated into solvent-based organic resins to enhance heat resistance and weatherability. This makes it an ideal choice for formulating advanced coatings in automotive, electrical, and industrial applications.

PACKING

SiSiB® SR8255 is available in 20Kg pails and 50Kg drum.

SiSiB[®] SR8255 Solid Silicone Resin

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[®] SR8255 can crosslink or self-condense in the presence of moisture, making it essential to avoid moisture exposure before final application.

SiSiB[®] SR8255 Silicone Resin has a shelf life of 12 months from the date of manufacture when stored in its original, unopened containers at or below 0°C-40°C. 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.

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