

SiSiB® SR8030 Solid Silicone Resin

INTRODUCTION

SiSiB® SR8030 is a solvent-free solid pure phenyl resin with excellent compatibility with organic resins. It can be as a sole binder and is ideal as a base material for both powder and liquid coatings, offering enhanced durability and heat resistance.

EFFECTS

- Non-sticky and non-caking at room temperature
- Superior adhesion and excellent flexibility
- Resistant to both high and low temperatures
- Low coefficient of thermal expansion in molding plastics
- Good bend-resistance with excellent insulation properties
- Excellent aging resistance and abrasion resistance.
- Heat resistant up to 700°C

PHYSICAL PROPERTIES

Appearance	Solid granule
Color	Colorless to yellowish
Substituent Type	Pure phenyl
Heating Loss (350°C/4h, %)	Max.5
Softening Point (°C)	95-100
Solid Content (180°C/1h, %)	Min.99
Gelation Time (200°C, min)	Max.60

APPLICATIONS

SiSiB® SR8030 is used as a powder coating binder or co-binder to improve heat resistance and weatherability. It is compatible with epoxy, polyester, and other powder coating resins.

It can also be blended with solvent-based silicone resins to reduce VOC content or incorporated into solvent-based organic coatings to improve film performance and durability.

Typical applications include high-temperature coatings for home appliances, cookware, stoves, fireplaces, ovens, kilns, flues, chimneys, automotive exhaust systems, and engine components. It is also suitable for insulating coatings in electrical equipment.

PACKING

SiSiB® SR8030 is available in 20Kg or 50Kg fiber drum.

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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

In the unopened original container SiSiB® SR8030 has a shelf life of 12 months in a dry and cool place at the temperature of 0°C-40°C.

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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