

SiSiB[®] SR3001

Epoxy Modified Organic Silicone Resin

CHEMICAL NAME

Epoxy Modified Organic Silicone Resin

INTRODUCTION

SiSiB[®] SR3001 is an epoxy-modified silicone resin that imparts excellent high and low temperature resistance, hydrophobic and moisture-proof properties, as well as superior electrical insulation and arc corona resistance. It also possesses great weatherability, chemical stability, and corrosion resistance.

SiSiB[®] SR3001-1 has better corrosion resistance but slightly poor high temperature resistance than SiSiB[®] SR3001-2.

TYPICAL PHYSICAL PROPERTIES

Type	SR3001-1	SR3001-2
Appearance	Colorless to light yellow transparent liquid, opalescence is permitted	
Solid content (%)	49-51	
Viscosity (25°C)	30-80	20-60
Epoxy value	0.06-0.16	0.02-0.07
Surface Drying Time (h)	2h, drying by heating 180°C 1h	
Heat resistance (Varnish: float type aluminum powder =4:1 ,400± 10°C,3h)	No peeling, no cracking, no blistering	

APPLICATIONS

SiSiB[®] SR3001 can be used as a high-temperature resistance, anti-corrosion, electricity isolation and weatherability coating. It can be bi-component completely cured at room temperature.

SiSiB[®] SR3001 can be used as base polymers or as blend polymers in order to create the desired hardness. These polymers can be cured with silicon-hydride crosslinkers and a platinum catalyst.

PACKING AND STORAGE

SiSiB[®] SR3001

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SiSiB[®] SR3001 is supplied in 200 kg iron drum.

In the original unopened packaging, SiSiB[®] SR3001 has a shelf life of 10 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.