



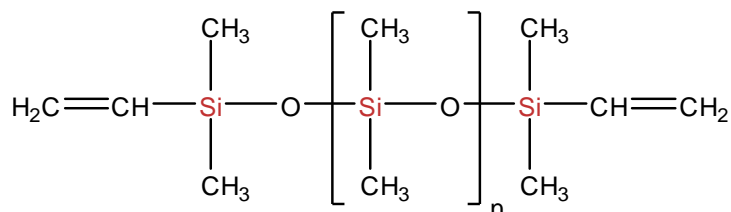
SiSiB[®] VINYL POLYMER

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CHEMICAL NAME

Vinyl-terminated polydimethylsiloxane polymers

CHEMICAL STRUCTURE



INTRODUCTION

SiSiB[®] vinyl-terminated dimethylpolysiloxanes are available in a variety of viscosities. Vinyl terminated silicone fluid is a base polymer for addition-curing RVT-2k (room temperature vulcanizing two component), LSR (liquid silicone rubber) silicone rubber. The terminal vinyl groups take part in the vulcanization reaction with Crosslinking agents in the presence of Catalysts.

TYPICAL PHYSICAL PROPERTIES

Code	SiSiB [®] VP0020
CAS No.	68951-99-5
Color and Appearance	Colorless clear liquid
Active Ingredient	100%
Specific Gravity _{25°C}	0.94~0.95
Refractive Index _{25°C}	1.3950~1.4120
Vinyl Content	2.5~2.9%
Viscosity _{25°C}	18~20 cSt

Code	SiSiB [®] VP0080
CAS No.	68951-99-5
Color and Appearance	Colorless clear liquid
Active Ingredient	100%

Power Chemical
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SiSiB® VINYL POLYMER

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Specific Gravity _{25°C}	0.96~0.97
Refractive Index _{25°C}	1.3950~1.4120
Vinyl Content	0.9~1.2%
Viscosity _{25°C}	60~100 cSt

Code	SiSiB® VP0200
CAS No.	68951-99-5
Color and Appearance	Colorless clear liquid
Active Ingredient	100%
Specific Gravity _{25°C}	0.97
Refractive Index _{25°C}	1.3950~1.4120
Vinyl Content	0.4~0.6%
Viscosity _{25°C}	180~220 cSt

Code	SiSiB® VP0500
CAS No.	68951-99-5
Color and Appearance	Colorless clear liquid
Active Ingredient	100%
Specific Gravity _{25°C}	0.97~0.98
Refractive Index _{25°C}	1.3950~1.4120
Vinyl Content	0.37~0.43%
Viscosity _{25°C}	475~525 cSt

Code	SiSiB® VP1000
CAS No.	68951-99-5
Color and Appearance	Colorless clear liquid
Active Ingredient	100%
Specific Gravity _{25°C}	0.97~0.98
Refractive Index _{25°C}	1.3950~1.4120
Vinyl Content	0.18~0.30%
Viscosity _{25°C}	950~1050 cSt

Code	SiSiB® VP3000
CAS No.	68951-99-5
Color and Appearance	Colorless clear liquid
Active Ingredient	100%
Specific Gravity _{25°C}	0.97~0.98
Refractive Index _{25°C}	1.3950~1.4120

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Vinyl Content	0.15~0.18%
Viscosity _{25°C}	2850~3150 cSt

Code	SiSiB® VP5000
CAS No.	68951-99-5
Color and Appearance	Colorless clear liquid
Active Ingredient	100%
Specific Gravity _{25°C}	0.97~0.98
Refractive Index _{25°C}	1.3950~1.4120
Vinyl Content	0.10~0.13%
Viscosity _{25°C}	4750~5250 cSt

Code	SiSiB® VP010K
CAS No.	68951-99-5
Color and Appearance	Colorless clear liquid
Active Ingredient	100%
Specific Gravity _{25°C}	0.97~0.98
Refractive Index _{25°C}	1.3950~1.4120
Vinyl Content	0.08~0.12%
Viscosity _{25°C}	9500~10500 cSt

Code	SiSiB® VP020K
CAS No.	68951-99-5
Color and Appearance	Colorless clear liquid
Active Ingredient	100%
Specific Gravity _{25°C}	0.97~0.98
Refractive Index _{25°C}	1.3950~1.4120
Vinyl Content	0.07~0.08%
Viscosity _{25°C}	19000~21000 cSt

Code	SiSiB® VP050K
CAS No.	68951-99-5
Color and Appearance	Colorless clear liquid
Active Ingredient	100%
Specific Gravity _{25°C}	0.97~0.98
Refractive Index _{25°C}	1.3950~1.4120
Vinyl Content	0.05~0.06%
Viscosity _{25°C}	47500~52500 cSt

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Code	SiSiB® VP065K
CAS No.	68951-99-5
Color and Appearance	Colorless clear liquid
Active Ingredient	100%
Specific Gravity _{25°C}	0.97~0.98
Refractive Index _{25°C}	1.3950~1.4120
Vinyl Content	0.04~0.06%
Viscosity _{25°C}	62000~68000 cSt

Code	SiSiB® VP100K
CAS No.	68951-99-5
Color and Appearance	Colorless clear liquid
Active Ingredient	100%
Specific Gravity _{25°C}	0.97~0.98
Refractive Index _{25°C}	1.3950~1.4120
Vinyl Content	0.03~0.04%
Viscosity _{25°C}	95000~105000 cSt

Code	SiSiB® VP165K
CAS No.	68951-99-5
Color and Appearance	Colorless clear liquid
Active Ingredient	100%
Specific Gravity _{25°C}	0.97~0.98
Refractive Index _{25°C}	1.3950~1.4120
Vinyl Content	0.03~0.04%
Viscosity _{25°C}	156000~174000 cSt

APPLICATIONS

SiSiB® vinyl-terminated dimethylpolysiloxanes 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® vinyl-terminated dimethylpolysiloxanes is supplied in 190Kg steel drum or 950Kg

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In the original unopened packaging, SiSiB[®] vinyl-terminated dimethylpolysiloxanes has a shelf life of one year 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.

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.

Please send all technical questions concerning quality and product safety to: fluids@SiSiB.com.

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