

ThermoSink 35-4 Technical Data Sheet

ThermoSink 35-4 is a fast curing, two-component, flowable, thermally conductive silicone elastomer that cures rapidly at room temperature. ThermoSink 35-4 is designed for electrical potting and thermal interfacial applications where high-performance heat transfer and thermal management is required.

APPLICATIONS	FEATURES	SUBSTRATES
<ul style="list-style-type: none"> • Automotive 	<ul style="list-style-type: none"> • Thermally Conductive 	<ul style="list-style-type: none"> • Engineered Plastic
<ul style="list-style-type: none"> • Electronic Assembly 	<ul style="list-style-type: none"> • Water Resistant 	<ul style="list-style-type: none"> • Metal
<ul style="list-style-type: none"> • Power Supply 	<ul style="list-style-type: none"> • Fast cure schedule • RoHS Compliant 	<ul style="list-style-type: none"> • Ceramic • Glass

Typical Properties of Uncured Material*

Chemical Class	Silicone / Silicone
Color (Part A / Part B)	Grey / White
Viscosity, Part A @25°C, @10RPM, cps	10,000 to 35,000
Viscosity, Part B @25°C, @10RPM, cps	10,000 to 35,000
Mixed Viscosity @ 25°C, @10RPM, cps	40,000
Specific Gravity Part A	2.9 – 3.3
Specific Gravity Part B	2.9 – 3.3
Mix Ratio, PBV (A:B)	1:1
Cleanup Solvent	Isopropyl alcohol
Machine flushing solvent	Dow Corning OS-20 (HMDSO) or equivalent

Cure Guidelines*

Pot Life @ RT, minutes	10
Set Time, 100 GM @ RT, minutes	15 to 35
Cure Time @ RT, minutes	120
Cure Time @ 125°C, minutes	<5

Typical Properties of Cured Material*

Durometer, Shore A	45 – 55
Thermal Conductivity, W/m °K	>3.4
Flammability**	UL94 V0

*All properties given are typical values and are not intended for use in preparing specifications.

** Flammability tested in-house with samples using identical conditions as UL94 flame chamber.

Storage

Both part A and part B need to be thoroughly remixed individually prior to use. Keep stored between 8°C and 28°C in tightly closed, light-blocking containers away from direct sunlight. Keep from freezing. Please refer to product labeling for shelf-life information. Consult SDS for safe handling recommendations.

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