

ThermoSink 35-6

Technical Data Sheet

ThermoSink 35-6 is a two-component, thermally conductive silicone elastomer that cures rapidly at room temperature. ThermoSink 35-6 is designed for electrical potting and/or thermal interface applications where high-performance heat transfer and thermal management is required.

APPLICATIONS	FEATURES	SUBSTRATES
<ul style="list-style-type: none"> • Automotive • Electronic Assembly • Power Supplies 	<ul style="list-style-type: none"> • Thermally Conductive • Water Resistant • Fast set, Room-temperature Cure • RoHS Compliant (Pending) 	<ul style="list-style-type: none"> • Engineered Plastics • Ceramics • Plastics • Metals

Typical Properties of Uncured Material*

Chemical Class	2K Silicone
Color (Part A / Part B)	Grey / White
Viscosity, Part A @25°C, @10RPM, cps	35,000 to 55,000
Viscosity, Part B @25°C, @10RPM, cps	7,000 to 11,000
Viscosity, Mixed @25°C, @10RPM, cps	15,000 to 45,000
Mixed Specific Gravity	2.87
Mix Ratio, PBW (A:B)	50:50
Cleanup Solvent	Isopropyl alcohol
Standard Operating Temperature Range, °C	- 40 to 200

Cure Guidelines*

Set Time @ 25°C, minutes	30 to 60
Cure Time @ 25°C, hours	2
Cure Time @ 100°C, minutes	45

Typical Properties of Cured Material*

Durometer, Shore A	65-75
Young's Modulus (At room temperature), MPa	5.15
Glass Transition Temperature, °C	- 68
CTE, ppm, Above Tg	~ 120
Dielectric Constant, @ 1 MHz	7.4
Dielectric Strength, Volt/mil	250
Volumetric Resistivity, Ω*cm	1 * 10 ¹³
Dissipation Factor, @ 1 MHz	0.001
Thermal Conductivity, W/m °K	>3.5
Flammability, UL94**	V0

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

** Flammability tested in-house with 3 mm thick sample 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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