

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

#### 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	230 – 250
Volumetric Resistivity, Ω*cm	1 * 10 <sup>14</sup>
Dissipation Factor, @ 1 MHz	0.001
Thermal Conductivity, W/m °K	>3.5
Flammability, UL94**	V0
Outgassing, ASTM E595-15	Meets Requirements

\*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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