

## ThermoSink 35-7 Technical Data Sheet

ThermoSink 35-7 is a two-component, thermally conductive silicone elastomer that cures rapidly at room temperature. ThermoSink 35-7 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> </ul>	<ul style="list-style-type: none"> <li>• Thermally Conductive</li> </ul>	<ul style="list-style-type: none"> <li>• Engineered Plastics</li> </ul>
<ul style="list-style-type: none"> <li>• Electronic Assembly</li> </ul>	<ul style="list-style-type: none"> <li>• Water Resistant</li> </ul>	<ul style="list-style-type: none"> <li>• Ceramics</li> </ul>
<ul style="list-style-type: none"> <li>• Power Supplies</li> </ul>	<ul style="list-style-type: none"> <li>• Fast set, Room-temperature Cure</li> </ul>	<ul style="list-style-type: none"> <li>• Plastics</li> </ul>
	<ul style="list-style-type: none"> <li>• RoHS Compliant (Pending)</li> </ul>	<ul style="list-style-type: none"> <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	8,000 - 15,000
Viscosity, Part B @25°C, @10RPM, cps	4,000 - 9,000
Viscosity, Mixed @25°C, @10RPM, cps	6,000 - 10,000
Mixed Specific Gravity	2.7
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	90 to 120
Cure Time @ 25°C, hours	5
Cure Time @ 100°C, minutes	45

### Typical Properties of Cured Material\*

Durometer, Shore A	20 - 30
Young's Modulus (At room temperature), MPa	12
Glass Transition Temperature, °C	-47
CTE, ppm, Above Tg	~200
Dielectric Constant, @ 1 MHz, ASTM D150	8.18
Dielectric Strength, Volt/mil, ASTM D149	247
Volumetric Resistivity, Ω*cm, ASTM D257	1 x 10 <sup>14</sup>
Dissipation Factor, @ 1 MHz, ASTM D150	0.029
Thermal Conductivity, W/m °K	>2.5
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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