

ThermoSink 25
Thermally Conductive Potting Silicone
TECHNICAL DATA
March 2017
Product Description

ThermoSink 25 is a two-component, low viscosity, thermally conductive silicone elastomer that cures rapidly at room temperature. It is designed for electrical potting and/or thermal interfacial applications where high-performance thermal management is required.

APPLICATIONS	FEATURES	SUBSTRATES	PACKAGING
<ul style="list-style-type: none"> Automotive Electronic Assembly Electrical Assembly 	<ul style="list-style-type: none"> Thermally Conductive Water Resistant Fast Set, RT Cure RoHS Compliant 	<ul style="list-style-type: none"> Engineered Plastic Metal Ceramic Glass 	<ul style="list-style-type: none"> 50KG pail kits

TYPICAL PROPERTIES OF UNCURED MATERIAL

Property	Value, Part A	Value, Part B
Chemical Class	Silicone	Silicone
Appearance	Grey	White
Viscosity, 10 RPM, cP	5,000 - 20,000	5,000 - 20,000
Typ. Mixed Viscosity, 10 RPM, cP	15,000	
Mixed Specific Gravity (g/cc)	2.5 - 2.8	
Mix Ratio By Volume	1	1

TYPICAL PROPERTIES OF CURED MATERIAL

Property	Value
Thermal Conductivity (w/mK)	>2.5
Flammability	V0
Hardness (Shore A)	50-65
CTE (ppm/deg C)	142

*All properties indicate typical values which are not meant to be used for preparing specifications.

** Both Part A and Part B need to be thoroughly remixed and vacuum degassed prior to using

PROCESSING

Pot Life	60 minutes	
Cure Options	4 - 6 hours @ RT	5 min @125 C°
Clean-Up Solvent	Isopropyl Alcohol	
Machine Flushing Solvent	Dow Corning OS-20 (HMDS) or equivalent	

SHELF LIFE, STORAGE
6 Months, 20° C ± 18° C
THIS MATERIAL IS SOLD FOR INDUSTRIAL USE ONLY

Resin Designs, LLC makes no express or implied warranties of merchantability, fitness or otherwise with respect to this product. In addition, while the information contained herein is believed to be reliable, no warranty is expressed or implied regarding the accuracy of the results to be obtained from the use thereof. The properties given are typical values and are not intended for use in preparing specifications. User should make their own test to determine the suitability of this product for their own purposes.