Resin Designs, LLC

Silicone System

Data Sheet Rev. #: 2

ThermoSink 15-3

Thermally Conductive Potting Silicone

TECHNICAL DATA **March 2017**

Product Description

ThermoSink 15 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 moderate performance thermal management is required.

APPLICATIONS	FEATURES	SUBSTRATES	PACKAGING
• Automotive	• Thermally Conductive	• Engineered Plastic	• 50KG Pail Kits
• Electronic Assembly	• Water Resistant	• Metal	
• Power Supplies	• Fast Set, RT Cure	• Ceramic	
	• RoHS Compliant	• Glass	

TYPICAL PROPERTIES OF UNCURED MATERIAL

Property	Value, Part A	Value, Part B
Chemical Class	Silicone	Silicone
Appearance	Gray	White
Viscosity, 10 RPM, cP	15,000 - 25,000	10,000 - 20,000
Typ. Mixed Viscosity, 10 RPM, cP	20,000	
Mixed Specific Gravity (g/cc)	2.3-2.6	
Mix Ratio By Volume	1	1

TYPICAL PROPERTIES OF CURED MATERIAL

Property	Value
Thermal Conductivity (w/mK)	>1.4
Flammability	V0
Hardness (Shore A)	40 - 60
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 must be throroughly remixed and vacuum degassed prior to use

PROCESSING

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

SHELF LIFE, STORAGE

6 Months DOM, 20° ± 18°C

THIS MATERIAL IS SOLD FOR INDUSTRIAL USE ONLY

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