

Deep-Space Liquid Metal™ Heat Sink Thermal Compound 79 W/mK 1g/1cc Syringe

Product Highlights

- **Lead-Free / RoHS 3 Compliant / REACH Compliant**
- **Deep-Space Liquid Metal™**, non-curing, flowable, thermally conductive heat sink compound
- Pure Liquid Metal
- Provides extremely high thermal conductivity of 79 W/mK, low bleed and high temperature stability
- Electrically Conducting
- **Alloy contains Gallium and is not compatible with Aluminum Heat Sinks**



Specifications

Alloy:	100% Deep-Space Liquid Metal™ Pure Metal Proprietary Formula
Heat Sink Material Compatibility:	Nickel-Plated Copper, Nickel, Copper*
Heat Sink Material Incompatibility:	Aluminum (Do Not Use with Aluminum Heat Sinks)
Density:	6.8 g/cc
Thermal Conductivity:	79 W/m-K
Thermal Resistance:	0.003 °C*cm²/W
Operating Temperature (Continuous):	-40 to 150°C (-40 to 302°F)
Operating Temperature (Peak):	200°C (392°F)
Size:	1g/1cc Manual Syringe w/ 2x 25-gauge tips, squeegee

*Gallium is known to alloy with various other metals. TC4 should be tested in your individual application to ensure long term reliability.

Application Instructions

Apply sparingly with provided tips. Thinly spread using provided squeegee. Deep-Space Liquid Metal™ is highly conductive and is designed to fill all small cracks and crevices in surfaces to achieve extremely high thermal conductivity. Deep-Space Liquid Metal™ is thermally and electrically conductive, avoid getting it on electrical pins/pads/traces/BGA balls.

Storage and Handling

Store at room temperature 20-25°C (68-77°F).

Shelf Life

>60 months

Transportation

This product has no shipping restrictions. Shipping below 0°C (32°F) or above 25°C (77°F) for normal transit times by ground or air will not impact this product's stated shelf life.

Chip Quik® Thermal Paste Orderable Part Numbers

Thermal Conductivity (W/m·K)	Thermal Resistance (°C·cm ² /W)	Density (g/cc)	Color	Package	Size (g)	Orderable Part Number
0.67	0.16	2.1	White	Syringe	10	TC1-10G
				Syringe	20	TC1-20G
				Jar	200	TC1-200G
4.3	0.06	2.5	Grey	Syringe	10	TC2-10G
				Syringe	20	TC2-20G
				Jar	50	TC2-50G
8.5	0.03	2.5	Grey	Syringe	1	TC3-1G
				Syringe	3.5	TC3-3.5G
				Syringe	10	TC3-10G
79	0.003	6.8	Silver	Syringe	1	TC4-1G
				Syringe	2	TC4-2G
				Syringe	5	TC4-5G
				Syringe	10	TC4-10G
				Syringe	20	TC4-20G

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