

D2000

Two-Part Curable Thermal Grease

LiPOLY D2000 is a two-part curable thermal grease. It can be cured quickly at room temperature and high temperature without pump-out effect. It is a highly reliable material. With a thermal conductivity of 2.0 W/m*K, has low thermal resistance. It is ideally suited for dispensing using the dispensing robot or by syringe.

FEATURES

- / Thermal conductivity:2.0 W/m*K
- / Cured and Re-workable thermal Grease.
- / Without Pump-out and Dry out concern.
- / Great reliability
- / Low thermal resistance and thinner Bond Line Thickness.

TYPICAL APPLICATIONS

- / Between CPU and heat sink
- / Between a component and heat sink
- / Power supplies
- / High speed mass storage drives
- / Telecommunication hardware
- / Mobile devices

CONFIGURATIONS

- / Cartridges: 50ml, 400ml
- / Other special and custom sizes are available upon request

DISPENSING INSTRUCTIONS

Use the disposable plastic static mixing nozzles to mix parts A and B together to the desired ratio. Liquid gap fillers can be dispensed using an automatic dispensing machine or a manual dispensing tool that can be provided by LiPOLY upon request/purchase. The disposable plastic static mixing nozzles cannot be re-used.

STORAGE

Two-part liquid gap fillers should be stored in climate-controlled environments at or below 25°C. Keep liquid gap fillers away from direct sunlight and away from high-temperature environments.

PRESERVATION

It can be preserved for 24 months under the condition of unopened and under room temperature 25°C.

PRECAUTIONS

The two-part liquid gap filler may not cure properly if it comes into contact with certain substances, including amine, sulfur, organophosphorus compounds, and organotin compounds. Please avoid the following substances when handling: (N, P, S, Sn, Pb, Hg, Sb, Bi, As) Ensure a clean mixing container is used (e.g.: paper cup or plastic cup) before injecting the A and B parts into the mixing container. The plasticizer, wax from the cups, varnish or the epoxy from the oven may contaminate the A and B parts. You are reminded to pre-test the gap filler before using it.





PLEASE NOTE

It's recommended that the diameter of mixing tube outlet should be 3mm at least, which can solve the possible problem of poor fluidity caused by ambient temperature.

TYPICAL PROPERTIES

ColorWhite (A part) Gray (B part)Visual.Solid content100% (Two-part : 100:100)Viscosity A95	PROPERTY	D2000	TEST METHOD	UNIT
Solid content(Two-part: 100:100)Viscosity A95ISO 3219Pa.sViscosity B95ISO 3219Pa.sDensity2.8ASTM D792g/cm³Shelf life24 monthsROHS & REACHCompliantSOLID(AFTER CURE)Thermal conductivity2.0ASTM D5470W/m'KBod line thicknessBod line thicknessHardness75ASTM D240Shore OOHeat capacityVolume resistivityVolume resistivityVorking temp (long term)Operating ambient tempPot life Q25°CSurface dry Q25°CCure Q100°CCure Q100°CSurface dry Q25°CCure Q100°CCure Q100°CCure Q100°CSurface dry Q25°CCure Q100°CSurface dry Q25°CSurface dry Q25°C<	Color		Visual	-
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And And And Shelf life 24 months - - ROHS & REACH Compliant - - SOLID(AFTER CURE) - - Thermal conductivity 2.0 ASTM D5470 W/m*K Thermal impedance@2mils BLT 0.042 ASTM D5470 °C-in?/ W Bond line thickness 50 - µm Hardness 75 ASTM D2240 Shore OO Heat capacity 1.0 ASTM D257 Ohm-m Dielectric breakdown 14 ASTM D257 Ohm-m Dielectric breakdown 6-0 ~ 200 - °C Working temp (long term) -60 ~ 200 - °C Operating ambient temp 20 ~ 30 - °C Operating ambient temp 20 ~ 30 - °C Pot life @ 25°C 10~15 By LiPOLY min Surface dry @ 25°C 25~30 By LiPOLY min Cure @ 25°C 35~40 By LiPOLY min	Viscosity B	95	ISO 3219	Pa.s
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Surface dry @ 25°C25~30By LiPOLYminCure @ 25°C35~40By LiPOLYminCure @ 100°C80By LiPOLYsec	CURE SCHEDULE			1
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Cure @ 100°C 80 By LiPOLY sec	Surface dry @ 25°C	25~30	By LiPOLY	min
	Cure @ 25°C	35~40	By LiPOLY	min
Cure @ 120°C 30 By LiPOLY sec	Cure @ 100°C	80	By LiPOLY	sec
	Cure @ 120°C	30	By LiPOLY	sec

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