H-putty2



Thermal Conductive Putty

LiPOLY H-putty2 is a one-part dispensable material with thermal conductivity 6.0W/m*K. High deformation can fill small air gaps perfectly to remove tolerance. It also can overcome overflow and drying problems to increase the thermal conductivity. H -putty2 is a great alternative to thermal grease and ideally suited for dispensing using the dispensing robot.

■ FEATURES

- / Thermal conductivity:6.0 W/m*K
- / Bond line thickness:100-3000µm
- / Designed to remove manufacturing tolerances
- / Does not produce stress on delicate components
- / No vertical flow
- / Dispensable for serial manufacture
- / For any high compression and low stress application

■ TYPICAL APPLICATION

- / Between CPU and heat sink
- / Between a component and heat sink
- / High speed mass storage drives
- / Telecommunication hardware
- / Flat-panel displays
- / Set-top box
- / IP CAM

■ CONFIGURATIONS

/ Cartridges: 30ml, 55ml, 330ml

/ Bucket: 1kg, 25kg

■ PRESERVATION

It can be preserved for 60 months under the condition of unopened and under room temperature 25°C.



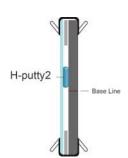
■ TYPICAL PROPERTIES

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	PROPERTY	H-putty2	TEST METHOD	UNIT
	Color	Blue	Visual	-
	Resin base	Silicone	-	-
	Viscosity	15000	DIN 53018	Pa.s
	Density	3.3	ASTM D792	g/cm³
-	Application temperature	-60~180	-	°C
	Bond line thickness	100~3000	-	μm
	Shelf life	60 months	-	-
	ROHS & REACH	Compliant	-	-
	ELECTRICAL			
	Dielectric breakdown	12	ASTM D149	KV/mm
	Volume resistivity	>1013	ASTM D257	Ohm-m
	THERMAL			
	Thermal conductivity	6.0	ASTM D5470	W/m*K
	Thermal impedance@10psi	0.061	ASTM D5470	°C-in²/ W
	Thermal impedance@30psi	0.054	ASTM D5470	°C-in²/ W
	Thermal impedance@50psi	0.050	ASTM D5470	°C-in²/ W

■ VERTICAL RELIABILITY

Using 3.0mm pad as a gap control, put the putty between the aluminum and the glass panel mark the initial position. Then, place it in the oven with 125°C for 1,000 hours and observe its displacement after reliability test





Material no dropped or changed after high temperature aging testing

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