

SH-putty3

Highly Thermally Conductive Putty

LiPOLY SH-putty3 is a one-part, dispensable thermally conductive putty. With a thermal conductivity from 8.0 W/m*K this product can be used successfully to remove manufacturing tolerances. It is ideally suited for dispensing using the SH-putty3 dispensing robot.

Features-

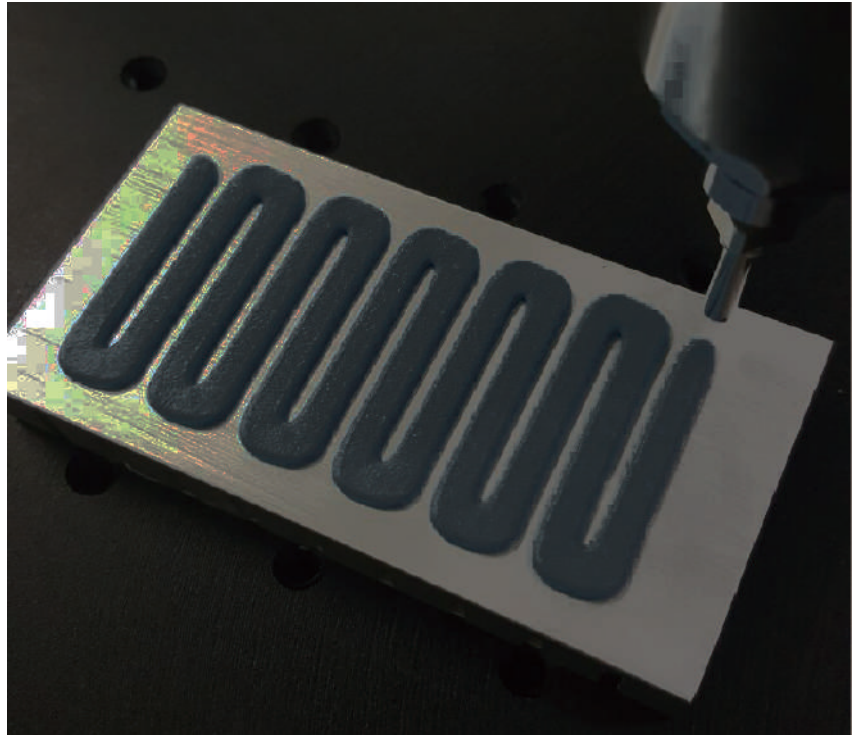
- Thermal conductivity:8.0 W/m*K
- Bond Line Thickness: 100-3000µm
- Designed to remove manufacturing tolerances
- Does not produce stress on delicate components
- No vertical flow
- Dispensable for serial manufacture
- UL 94V-0

Typical Applications-

- For any high compression and low stress application
- Set-top box
- IP CAM

Specifications-

- Cartridges: 30ml, 55ml, 330ml
- Bucket: 1kg, 25kg



Typical Properties-

PROPERTY	SH-putty3	TEST METHOD	UNIT
Color	Gray	Visual	-
Resin Base	Silicone	-	-
Density	3.4	ASTM D792	g/cm ³
Application temperature	-60~180	-	°C
Bond Line Thickness	100~3000	-	µm
ELECTRICAL			
Dielectric breakdown	300	ASTM D149	V/mil
Volume resistivity	>10 ¹³	ASTM D257	Ohm-m
THERMAL			
Thermal Conductivity	8.0	ASTM D5470	W/m*K
Thermal impedance@10psi	0.039	ASTM D5470	°C-in ² /W
Thermal impedance@30psi	0.035	ASTM D5470	°C-in ² /W
Thermal impedance@50psi	0.031	ASTM D5470	°C-in ² /W
FLAME RATING			
UL Flammability class	V-0	UL94	-

