

H-putty

Thermal Conductive Putty

LiPOLY H-putty is a one-part, dispensable thermally conductive putty. With a thermal conductivity from 3.5 W/m*K this product can be used successfully to remove manufacturing tolerances. It is ideally suited for dispensing using the H-putty dispensing robot.

Features-

- Thermal conductivity: 3.5 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

Typical Applications-

- For any high compression and low stress application
- 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.

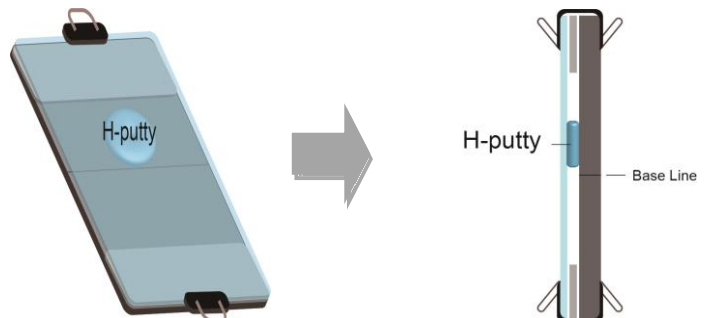


Typical Properties-

PROPERTY	H-putty	TEST	UNIT
Color	Blue	Visual	-
Resin Base	silicone	-	-
Viscosity	15000	DIN 53018	Pa.s
Density	3.0	ASTM D792	g/cm ³
Application temperature	-60~180	-	°C
Bond Line Thickness	100~3000	-	μm
Shelf Life	60 months	-	-
ROHS&REACH	yes	-	-
ELECTRICAL			
Dielectric breakdown	300	ASTM D149	V/mil
Volume resistivity	>10 ¹⁴	ASTM D257	Ohm-m
THERMAL			
Thermal Conductivity	3.5	ASTM D5470	W/m*K
Thermal impedance@10 psi	0.076	ASTM D5470	°C-in ² / W
Thermal impedance@30psi	0.072	ASTM D5470	°C-in ² / W
Thermal impedance@50psi	0.069	ASTM D5470	°C-in ² / 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

Note:

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