

Ther Putty 3SH-8-17000

Patron
Passive Elektronik

Thermal Conductive Putty

Ther Putty 3SH is a one-part dispensable material with thermal conductivity 8.0 W/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. Ther Putty 3SH is a great alternative to thermal grease and ideally suited for dispensing using the dispensing robot.



TYPICAL PROPERTIES

PROPERTY	PUTTY 3SH	TEST METHOD	UNIT
Color	Gray	Visual	-
Resin base	Silicone	-	-
Viscosity	17000	DIN 53018	Pa.s
Density	3.4	ASTM D792	g/cm ³
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	>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

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
- / 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
- / 5G base station & infrastructure
- / EV electric vehicle

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.

HOW TO ORDER

Patron THER PUTTY 3SH-8-17000 XXX
XXX = packaging

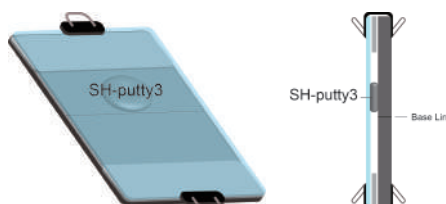
<https://www.patron-components.com/>

PLEASE NOTE

/ Using Automatic Homogenizer can improve the sedimentation phenomenon rapidly to achieve a homogeneous effect. We strongly recommend put cartridge in homogenizer for 3~5 minutes before dispensing the material.
Notice: if material homogenized more than 24 hours, it must be homogenized again while use it.

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