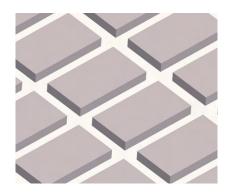
THER NAHs-800-7-60 Patron



Bcb!G]`]WcbY'H\ Yfa U'7cbXi Wjj Y'DUX



Non-Silicone Thermal Compound NAHs-800 is made of non-silicon resin material. No low molecular siloxane volatilization and low total volatile gas. no electrical contact & pollution problems. NAHs-800 is flexible and has great thermal conduction, Low compressive stress and high compressive characteristics can effectively reduce the stress load of components, so that the equipment only needs to bear less mechanical stress, and at the same time, it can have low thermal resistance and high thermal conductivity.

FEATURES

/ Thermal conductivity:7.0 W/m*K / It's made by non-silicone resin materials / Low contact thermal resistance / With electrical insulation / Outstanding thermal conductivity / Applicable to optical and sensitive electric componennts

TYPICAL APPLICATION

/ HDDS

/ Optical appliance

/5G base station & infrastructure

/ EV electric vehicle

HOW TO ORDER

Patron THER NAHs-800-7-60 XXX-YYY-ZZmm XXX = width in mm YYY = depth in mm ZZ = thickness in mm

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

TYPICAL PROPERTIES

PROPERTY	NAHs-800	TEST METHOD	UNIT
Color	Pink	Visual	-
Surface tack 2-side/1-side	2	-	-
Thickness	Customized	ASTM D374	mm
Density	3.3	ASTM D792	g/cm³
Hardness	60	ASTM D2240	Shore OO
Tensile Strength	0.15	ASTM D412	Kgf/cm²
Application temperature	-60~125	-	°C
Low molecular Siloxane (D3 to D20 total)	N.D	Gas Chromatography	%
Outgassing CVCM (wt%)	0.0057	-	-
ROHS & REACH	Compliant	-	-
COMPRESSION@1.0mm			
Deflection @10 psi	15	ASTM D5470 modify	%
Deflection @20 psi	40	ASTM D5470 modify	%
Deflection @30 psi	67	ASTM D5470 modify	%
ELECTRICAL			
Dielectric breakdown	8	ASTM D149	KV/mm
Surface resistivity	>1011	ASTM D257	Ohm
Volume resistivity	>1010	ASTM D257	Ohm-m
THERMAL			
Thermal conductivity	7.0	ASTM D5470	W/m*K
Thermal impedance@10 psi	0.274	ASTM D5470	°C-in²/ W
Thermal impedance@20 psi	0.182	ASTM D5470	°C-in²/ W
Thermal impedance@30 psi	0.121	ASTM D5470	°C-in²/ W

The chemical formula indicates that if Cyclic polydimethylsilox-ane (HO-[Si(CH3)20]n-H) is non-reaction, it's volatile anytime and everywhere. For example, when the electric products which has been put in a confined space, the volatile of low-molecular-weight silox-anes will makes the elecetic products

Thermal Resistance vs. Pressure vs. Deflection

