TP200

Thermal Conductive Rubber Tube

LiPOLY TP200 is a stereoscopic thermal conductive silicone rubber cap as substrate through a special production process. Due to its excellent characteristic of high thermal conductivity, insulation, shockproof and convenient assembly, it is widely used in heat transistor refer to TO220 / TO3P, diode, triode.

FEATURES

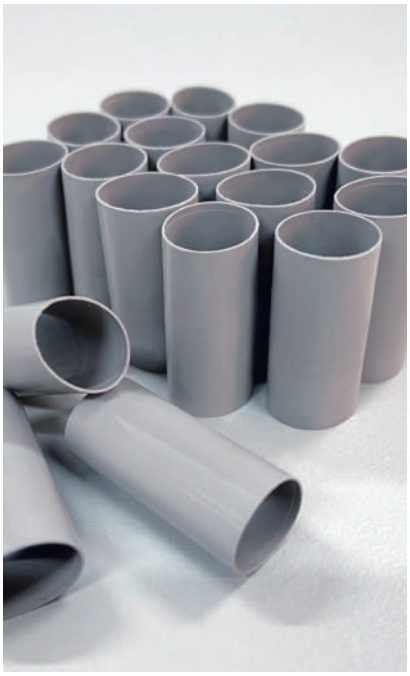
/ Thermal conductivity: 0.8 W/m*K
/ Good insulator
/ High recovery
/ Easy to assemble
/ Available in a range of thicknesses

TYPICAL APPLICATION

/ Between CPU and heat sink
/ Between a component and heat sink
/ Notebook computers
/ Power supplies
/ High speed mass storage drives
/ Telecommunication hardware

SPECIFICATIONS

/ Diameter/Length:11mm/25mm
/ Diameter/Length:13.5mm/25mm
/ Diameter/Length:11mm/30mm
/ Diameter/Length:13.5mm/30mm



TYPICAL PROPERTIES

PROPERTY	TP200	TEST METHOD	UNIT
Color	Gray	Visual	-
Resin base	Silicone	-	-
Thickness	0.3	ASTM D374	mm
Density	1.8	ASTM D792	g/cm³
Hardness	55	ASTM D2240	Shore A
Application temperature	-60~180	-	°C
ROHS & REACH	Compliant	-	-
COMPRESSION@1.0mm			
Deflection @10 psi	1	ASTM D5470 modify	%
Deflection @20 psi	2	ASTM D5470 modify	%
Deflection @30 psi	3	ASTM D5470 modify	%
Deflection @40 psi	4	ASTM D5470 modify	%
Deflection @50 psi	5	ASTM D5470 modify	%
ELECTRICAL			
Dielectric breakdown	7	ASTM D149	KV/mm
Surface resistivity	$>10^{12}$	ASTM D257	Ohm
Volume resistivity	$>10^{13}$	ASTM D257	Ohm-m
THERMAL@0.3mm			
Thermal conductivity	0.8	ASTM D5470	W/m*K
Thermal impedance@10 psi	1.110	ASTM D5470	°C-in²/ W
Thermal impedance@20 psi	1.058	ASTM D5470	°C-in²/ W
Thermal impedance@30 psi	0.988	ASTM D5470	°C-in²/ W
Thermal impedance@40 psi	0.929	ASTM D5470	°C-in²/ W
Thermal impedance@50 psi	0.897	ASTM D5470	°C-in²/ W

Thermal Resistance vs. Pressure