



Product Picture

Thermal conductivity of soft silicone Product Description

Excellent thermal conductivity and electrical insulation performance, it can use long-term in $-60\text{ }^{\circ}\text{C} \sim 200\text{ }^{\circ}\text{C}$, but also has excellent compressibility and softness, meet the tolerance design between the radiating structures, good thermal interface.

Main supplier is U.S.A Bergquist, TaiWan Pioneer

TYPICAL PROPERTY VALUES

PROPERTY	TEST METHOD	UNITS	VALUE
THICKNESS	ASTM E252	MM	0.5 ~ 6.0
COLOR			All
Hardness	ASTM D 2240	$^{\circ}\text{C}$	20-30
Thermal Property			
Thermal Conductivity	ASTM E1530	W/m-K	1.3-2.8
Thermal Resistance	ASTM D5470	$\Omega\text{-cm}$	$10^{15} \uparrow$
THERMAL			
CONTINUOUS USE TEMP		$^{\circ}\text{C}$	$-60\text{ }^{\circ}\text{C} \sim 200\text{ }^{\circ}\text{C}$
ELECTRICAL			
Dielectric Constant		60 Hz	6.3-5.5
		1K Hz	5.2-5.7
		1M Hz	5.1-5.3
FLAMMABILITY			
UL FLAMMABILITY UL	UL 94		V-0