TG-A373F / L37-3F

Thermal Pad

REACH Compliant | RoHS Compliant | UL Compliant

Features

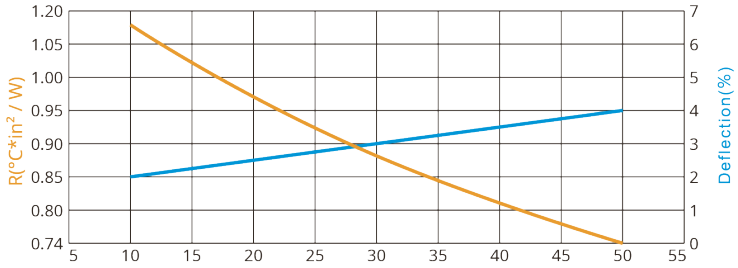
- Low elongation
- Electrical insulation
- Easy to assemble
- Made from silicone, thermal conductive particles, fiberglass

Application:

Electronic Components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

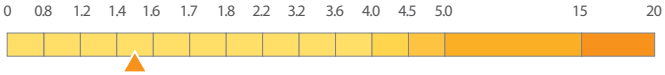
Properties

Contact Pressure, Thermal Impedance, and Deflection

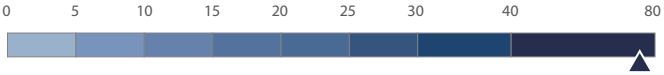


Contact Pressure (psi)	Thermal Impedance (°C*in ²/W)	Deflection (%)
10	1.08	2
30	0.88	3
50	0.74	4

Thermal Conductivity : 1.5 W/mK



Hardness : 75 (Shore OO)



Properties	Unit	TG-A373F / L37-3F	Tolerance	Test Method
Thermal Conductivity	W/m•K	1.5	± 10%	ASTM D5470 Modified
Thickness	mm	0.25/0.3/0.45	-	ASTM D374
	inch	0.0098/0.0118/0.0177	-	ASTM D374
Color	-	Yellow	-	Colorimeter CIE 1976
Reinforcement Carrier	-	Fiberglass Mesh	-	-
Flame Rating	-	V-0	-	UL 94
Dielectric Breakdown Voltage	KV	≥3.1/ ≥4.1/ ≥5.1	-	ASTM D149
Weight Loss	%	<1	-	ASTM E595 Modified
Density	g/cm³	2	± 5%	ASTM D792
Operating Temperature	° C	-40~+200	-	-
Volume Resistivity	Ohm-m	$>10^{11}$	-	ASTM D257
Elongation	%	5	-	ASTM D412
Tensile strength	kgf/cm ²	150	-	ASTM D412
Standard Format	-	Sheet	-	-
Hardness	Shore A	75	± 7	ASTM D2240

For thicknesses less than 1.0mm, hardness will be adjusted to 50-75 Shore OO to facilitate effective removal of liner during production
Different tolerances according to the selected thickness
Die-cut for different shapes

Produkt anfragen