

# Thermal Interface Material



## TC-MXX



- Two-component Silicone based material
- Liquid filler for difficult geometries
- Acts as a shock absorber and damping component

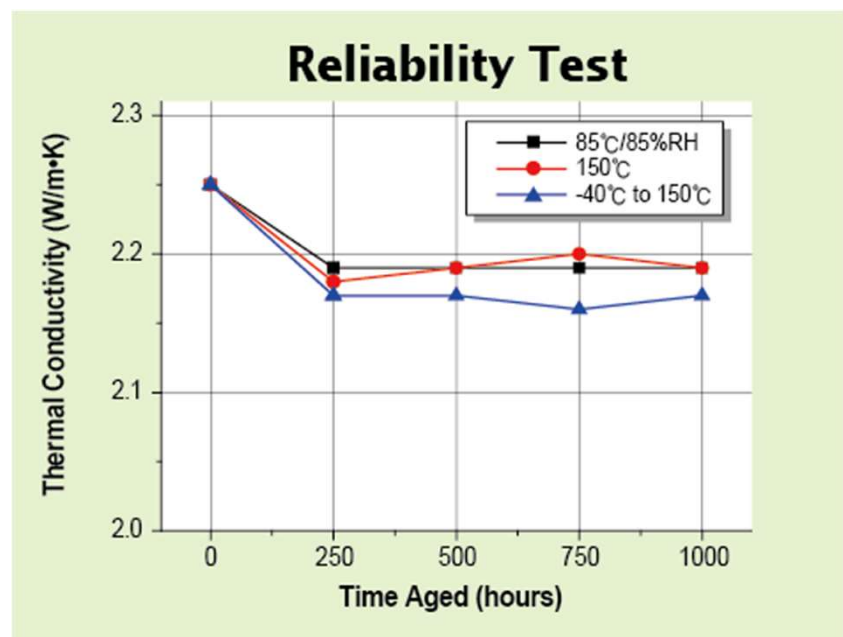
Properties	Unit	TC-M10	TC-M20
Color		Grey	Grey
<b>Thermal Properties</b>			
Thermal Conductivity	W/mK	1.0	2.0
<b>Electrical Properties</b>			
Breakdown Voltage $U_{d; ac}$	kV	>5	>5
Volume Resistivity	$\Omega m$	$10^{13}$	$10^{13}$
Dielectric Constant $\epsilon_r$		-	-
<b>Mechanical Properties</b>			
Hardness	Shore 00	75	80
Viscosity	cps	10,000	15,000
Mixing Ratio	A:B	1:1	1:1
Curing	$^{\circ}C / min$	120 / 30	120 / 30
<b>Physical Properties</b>			
Density	$g/cm^3$	2.1	2.65
Flame rating	UL-94	V-0	V-0

## Applications

- OBC Charger for EV and HEV
- Converter for fuel cells
- Inverter for solar cells

## Options

- Thermal conductivity 1.0 or 2.0 W/mK



The data provide engineering guidance, performance in actual applications should be established through testing.