

# TG4040SA

## Ultra Soft Silicone Thermal Pad

### Description

TG4040SA is a white colored, both side tacky, ultra soft silicone thermal pad, suitable for use as thermal interface material or heat sink to dissipate the heat from electronic devices, especially in integrated circuit (IC) and LEDs packaging. This pad has very low hardness and elastic, and yet provides high thermal conductivity, good high temperature resistance and good electrical insulation.

### Applications

Soft silicone based thermal interface material or heat sink to dissipate the heat from electronic devices, especially in integrated circuit (IC) device and LEDs packaging.

### Guidelines for Use

1. Pick up silicone thermal pad from release film gently.
2. Make sure the surface of the substrate is clean and dried before apply the silicone thermal pad.
3. Position the silicone thermal pad to substrate.
4. Apply some pressure to ensure good contact.
5. The silicone thermal pad can be applied and removed easily (care must be taken during installation to avoid tearing).

### Properties

- REACH Compliant
- ROSH Compliant

Property	Typical Value	Unit	Test Method
Binder	Silicone	-	-
Color	White	-	Visual
Reinforcement carrier	None	-	-
Specific gravity	2.0	g/cm <sup>3</sup>	-
Thermal conductivity	4.1	W/mK	ASTM D5470
Hardness	42	Shore 00	ASTM D2250
Flammability	V-0	UL 94	-
Working temperature	-45 to 200	°C	-
Breakdown voltage	14	Kv / mm	ASTM D149

### Packaging

Thickness range: 1.0 to 3.0mm

Release film: Plastic film

### Storage

Store the silicone thermal pad in a dried place.

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