

DATASHEET

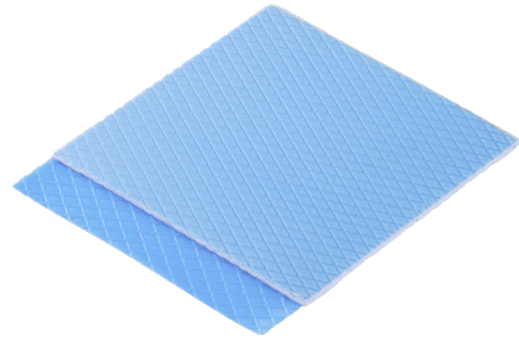
Thermal pad

Item No. 2617837 (50 x 50 x 0.5 mm)

Item No. 2617838 (50 x 50 x 1.0 mm)

Item No. 2617839 (145 x 145 x 0.5 mm)

Item No. 2617840 (145 x 145 x 1.0 mm)



Features

- Thermal conductivity: 6 W/mk
- Electrically non-conductive
- Safe and easy handling
- Hardness 50 shore 00

Technical data

Properties	Units	Specifications	Test standard
Appearance	-	Light blue	Visual inspection
Thickness	mm	0.5, 1.0, 1.5	ASTM D374
Thermal conductivity	W/mk	6.0 ± 10%	ASTM D5470
Hardness	Shore 00	50 ± 5	ASTM D2240
Flammability	UL94-V	V-0	UL94
Dielectric breakdown voltage	kv/mm	≥6.0	ASTM D149
Volumn resistivity	Ω · c	≥1.0 x 10 ¹²	ASTM D257
Density	g/cm ³	3.3 ± 0.3	ASTM D792
Extractable silicine	%	≤5	ASTM G120-01
Compression deflection (%) at given pressure	10 psi	12 ± 3.0	ASTM D575
	50 psi	26 ± 5.0	
	100 psi	45 ± 5.0	
Dielectric constant	@ 1 MHz	5.0	ASTM D150
Operating temperature range	°C	-40 to +200	***
Shelf life (@ 25 ± 5 °C, 55 ± 10% RH)	months	24	

Typical properties of GP extreme		
Construction & Composition	Ceramic filled silicone elastomer	***
Density	2.8 g/cm ³	***
Specific Gravity	3.2 g/cc	ASTM D297
Heat Capacity	1 l/g-K	ASTM C351
Hardness	35 Shore 00	ASTM D2240
Continuous Use Temp	-50 to +200 °C	***
Dielectric Strength	>10000 VAC	ASTM D149
Dielectric Constant	4.5 MHz	ASTM D150
Volume Resistivity	3.2 x 10 ¹² Ohm-meter	ASTM D257
Flame Rating	94V0	***
Outgassing (TML)	0.36%	ASTM E595
Storage humidity	<70% RH	***