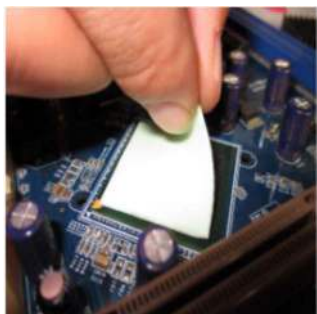


NON-SILICONE THERMAL PAD

series: **WG-80NS**



- Thermal conductivity: 8.0w/mk
- No siloxane outgassing or silicone oil leakage.
- Good tensile strength and wear resistance.
- Available with one side adhesive.
- Optimum surface adaptation.
- Long term stability and performance.
- Typical applications include power battery pack, vehicle navigator, optical precision equipment, camera equipment, notebooks, mobile devices and automotive engine control.

Properties	Unit	WG-80NS	Test Method
Colour	-	Off white	Visual
Thickness	mm	0.5 – 5.0	ASTM D374
Specific Gravity	g/cm ³	3.4	ASTM D792
Thermal Conductivity	W/mk	8.0	ASTM D5470
Hardness	Shore 00	70	ASTM D2240
Elongation	%	50	ASTM D412
Tensile Strength	Psi	30	ASTM D412
Dielectric Breakdown Voltage	KV/AC/mm	>5	ASTM D149
UL Flammability Rating	UL	94-V-0	UL 94
Volume Resistivity	Ωcm	10 ¹³	ASTM D257
Operating Temperature	°C	-40 ~ 125	-
Thermal Resistance	°C*in ² /W	0.10	ASTM D5470
Compression Ratio (1mm, @40psi)	%	40	-
ROHS	-	PASS	IEC 62321
Halogen	-	PASS	EN 14582
REACH	-	PASS	EN 14372
Sheet size	mm	200 x 200 or 200 x 400	

Thermal Resistance Test Results

Item	Hot (°C)	Cold (°C)	Thickness (mm)	Area (mm ²)	Heat (W)	Thermal Resistance (°C*in ² /W)	Pressure (kPa)
1	54.32	37.08	4.32	706.95	21.81	0.87575	68
2	53.52	38.03	3.80	706.95	23.54	0.72540	161
3	53.28	38.72	3.46	706.95	24.45	0.66650	234
4	52.82	39.30	2.92	706.95	25.50	0.59055	298
5	52.30	39.94	2.41	706.95	26.67	0.51770	367

