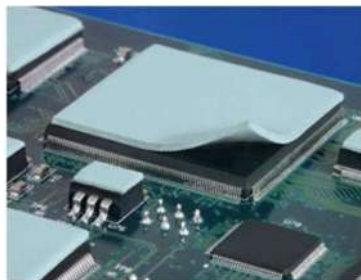


## THERMAL PAD

series: **WG-S**



- Ultra-soft and good resilience.
- Halogen Free
- Custom sizes and shapes available.
- Thickness: 0.5 – 5.0mm.
- Hardness: Up to 80 Shore 00
- Thermal Conductivity: Up to 12.0W/mk.
- Typical applications include: smart phones, battery modules, LED lighting, laptops and LCD/plasma TVs.

Item	WG-70S	WG-80S	WG-100S	WG-120S	Test Method
Thermal Conductivity (W/m.k)	7.0	8.0	10.0	12.0	ASTM D5470
Hardness (Shore 00)	50 ~ 80	50 ~ 80	55±5	55 ~ 75	ASTM D2240
Thickness (mm)	0.5 ~ 5.0	0.5 ~ 5.0	0.5 ~ 5.0	1.0 ~ 5.0	ASTM D374
Specific Gravity (g/cc)	3.40	3.40	3.40	3.40	ASTM D792
@ 1.0mm Volume Resistivity (Ωcm)	1*10 <sup>13</sup>	1*10 <sup>13</sup>	1*10 <sup>12</sup>	1*10 <sup>12</sup>	GB/T 1410
Adhesive available?	Upon request				-
Breakdown Voltage (AC/mm)	>200V	>5KV	>5KV	>5KV	ASTM D149
Flammability Class (UL)	94 V-0	94 V-0	94 V-0	94 V-0	UL
Max Temperature Range (°C)	-50 ~ +200	-50 ~ +200	-50 ~ +150	-50 ~ +150	-
Colour	Grey	Grey	Grey	Grey	Visual
Tensile Strength (psi)	20	10	10	10	ASTM D412
Thermal Resistance (1mm @ 40psi)	0.29°C*in <sup>2</sup> /W	0.29°C*in <sup>2</sup> /W	0.12°C*in <sup>2</sup> /W	0.12°C*in <sup>2</sup> /W	ASTM D5470
Compression Ratio (1mm @ 40psi)	255%	15%	≥15%	≥15%	-
Dielectric Constant (MHz)	5.5	5.5	5.5	5.5	ASTM D150
Sheet size (mm)	200 x 200 or 200 X 400	200 x 200 or 200 X 400	200 x 200 or 200 X 400	200 x 200 or 200 X 400	200 x 200 or 200 X 400