

## THERMAL FILLER PAD

### ATS SERIES

The ATS thermal conductive pad series is used to fill air gaps between components and heatsinks, metal enclosures or chassis. The exceptional conformability of these advanced materials enables them to cover uneven surfaces, transferring heat away from individual components or entire boards.



#### PRODUCT APPLICATIONS

- Optical Electronics: LED Lighting, Monitor, Touch Panel
- Communications: Mobile Phone, Wireless Devices
- Computer Hardware: Notebook, Desktop PC

Item	ATS042	ATS050	Test Method
Colour	Grey	Grey	Visual
Matrix Polymer	Silicone		-
Thickness (mm)	0.3 ~ 15.0	0.3 ~ 15.0	ASTM S374
Density (g/cm <sup>3</sup> )	2.3	2.4	ASTM D792
Hardness (Shore 00)	60 Shore 00	65	ASTM D2240
Tensile Strength - psi	70	50	ASTM D412
Elongation - %	210	250	ASTM D412
Weight Loss - %	<1	<1	120°C/24 hours
Insulation Strength (kV/mm)	1	1	ASTMD 149
Surface Resistance - Ω	>10 <sup>14</sup>	>10 <sup>13</sup>	ASTM D257
Volume Resistivity Ω.cm	>10 <sup>13</sup>	>10 <sup>12</sup>	ASTM D257
Temperature Range (°C)	(Pad) -60 ~ +150 (With Adhesive) -30 ~ +150		-
Flammability Level	V-0	V-0	UL 94
Thermal Conductivity (W/m.K)	2.65	5.0	2.65

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