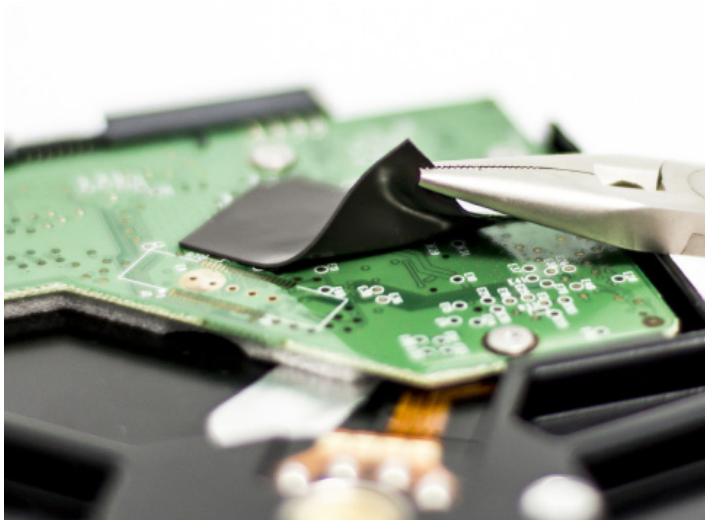


**SP0 1.0 - THERMAL SILICONE PAD**



**DESCRIPTION**

Silicone pads offer several advantages, including excellent thermal conductivity, electrical insulation, and resistance to high temperatures and harsh chemicals. They are flexible, conformable, and can be easily cut to size, making them ideal for a wide range of applications such as thermal management, electronic insulation, and gasketing.

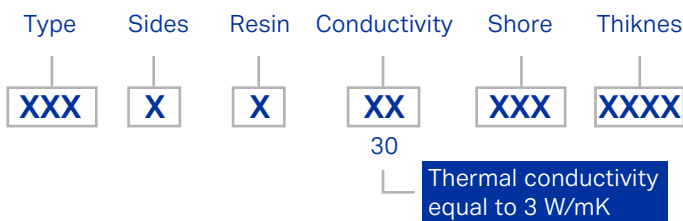
Silicone pads provide a reliable and cost-effective solution for improving heat dissipation and reducing the risk of overheating in electronic devices. They are also environmentally friendly and have a long lifespan, making them a sustainable choice for various industries.



RoHS 3 / REACH  
Last updated compliance directive



**PART NUMBER:**



**TYPICAL APPLICATIONS:**

- Semiconductor heat sink
- Vehicle navigator
- Communication & power equipment
- Graphics card, memory module
- LED lighting equipment

| Properties                      | UNITS   | SP01S1030500      | TEST METHOD |
|---------------------------------|---|-------------------|-------------|
| Color                           | -   | Blue, Grey        | Visual      |
| Thickness                       | mm  | 0.15-10.0         | ASTM D374   |
| Specific Gravity                | g/cc  | 2.1               | ASTM D792   |
| Hardness                        | Shore 00                                      | 30-90             | ASTM D2240  |
| Elongation                      | %   | 50                | ASTM D412   |
| Tensile Strength                | psi   | 50                | ASTM D412   |
| Electrical Strength             | VAC/mil                                       | >200              | ASTM D149   |
| UL Flammability Rating          | -   | UL94 V-0          | E355606     |
| Volume resistivity              | $\Omega \cdot \text{cm}$                      | $6 \cdot 10^{13}$ | ASTM D257   |
| Operating temperature           | $^{\circ}\text{C}$                            | -50/200           | -           |
| Thermal resistance (1mm,@40psi) | $^{\circ}\text{C} \cdot \text{in}^2/\text{W}$ | 0.9               | ASTM D5470  |
| Compression ratio (1mm,@40psi)  | -   | 40%               | -           |
| Dielectric constant             | MHz   | 5.5               | ASTM D150   |
| RoHS (10)                       | -   | PASS              | IEC 62321   |
| Halogen (4)                     | -   | PASS              | EN 14582    |
| REACH (191)                     | -   | PASS              | EN 14732    |

**STORAGE CONDITIONS**

Store in a ventilated, cool and dry place, do no touch open flames. This product is nontoxic and is stored and transported as non-dangerous goods.