



# TG-A38KX

## High Performance Thermal Pad

REACH Compliant

RoHS Compliant

UL Comparable

### Features

- Great thermal conductivity
- Difficult to be deformed
- Easy to assemble
- Double sided inherent tack

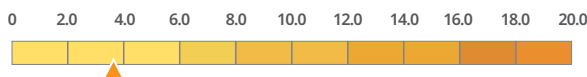
### Application:

Best for low and medium power applications

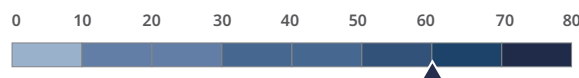
Electronic components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

### Properties

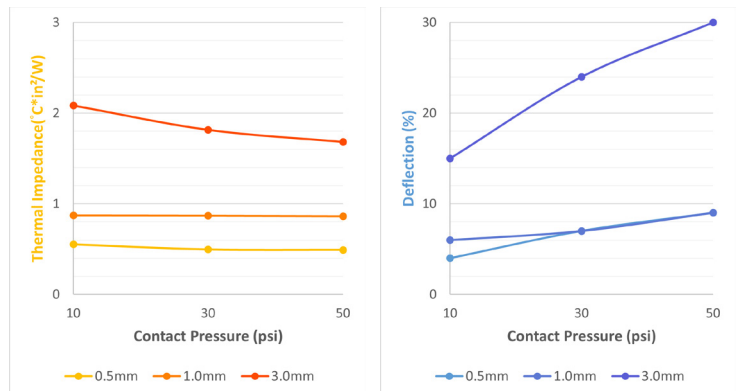
Thermal Conductivity : 3.8 W/m·K



Hardness : 60 (Shore OO)



### Contact Pressure, Thermal Impedance, and Deflection



| Properties                   | Unit     | TG-A38KX    | Tolerance | Test Method          |
|------------------------------|----------|-------------|-----------|----------------------|
| Thermal Conductivity         | W/m·K    | 3.8         | ±10%      | ASTM D5470 Modified  |
| Thickness                    | mm       | 0.3~10.0    | -         | ASTM D374            |
|                              | inch     | 0.012~0.394 | -         | ASTM D374            |
| Color                        | -        | Blue        | -         | Colorimeter CIE 1976 |
| Reinforcement Carrier        | -        | -           | -         | -                    |
| Flame Rating                 | -        | V-0         | -         | UL 94                |
| Dielectric Breakdown Voltage | KV/mm    | ≥10         | -         | ASTM D149            |
| Weight Loss                  | %        | <1          | -         | ASTM E595 Modified   |
| Density                      | g/cm³    | 3.1         | ±5%       | ASTM D792            |
| Operating Temperature        | °C       | -40~+200    | -         | -                    |
| Volume Resistivity           | Ohm-m    | 3×10¹²      | -         | ASTM D257            |
| Elongation                   | %        | 110         | -         | ASTM D412            |
| Standard Format              | -        | Sheet       | -         | -                    |
| Hardness                     | Shore OO | 60          | ±8        | ASTM D2240           |

※For thicknesses less than 1.0mm, hardness will be adjusted to 50-75 Shore OO to facilitate effective removal of liner during production

※Different tolerances according to the selected thickness

※Die-cut for different shapes

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Version20  
20250211



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