# THER TP400-4-55

Patron
Passive Elektronic

## Performance Gap Filler Pad

TP400-4-55 elevates the thermal performance bar, achieving 4 W/mK while maintaining a hardness of 55 (shore 00). The low hardness in comparison to thermal conductivity proves that TP400-4-55 will meet the demands of your challenging design requirements.

### Features and Benefits

- 4.0 W/mK
- Low Silicone Oil Extraction
- Naturally tacky, easing application
- Low pressure versus deflection
- Excellent, high volume applications
- Elevated Temperature Resistance

### Typical Applications

- Networking and Telecommunications
- IT: Notebooks, Tablets, Power Conversion
- Industrial: LEDs, Power Supplies and Conversion
- Automotive: Control Modules, Turbo Actuators
- Consumer Electronics: Gaming Systems, LCDs, and Graphic Cards

### HOW TO ORDER

Patron THER TP400-4-55 XXX-YYY-ZZmm
XXX = width in mm
YYY = depth in mm
ZZ = thickness in mm

### TYPICAL PROPERTIES

| Attribute | Value | Test Method |
|---|---|---|
| | **TP400-4-55** | - |
| Composition | Ceramic Filler + Silicone | - |
| Color | Purple | Visual |
| Thickness (mm) | 0.5 to 10.0 | ASTM D374 |
| Density (g/cc) | 3.1 | ASTM D792 |
| Hardness (Shore OO) | 55 (Thickness≤1.0 Shore OO 60) | ASTM D2240 |
| Usage Temperature (°C) | - 60 to 200 | – |
| **Electrical** | | |
| Breakdown Voltage (kV/mm) | ＞6.0 | ASTM D149 |
| Volume Resistivity (Ω.cm) | $10^{13}$ | ASTM D257 |
| Dielectric Constant | ＜7.5 | ASTM D150 |
| Flammability | V-0 | UL 94 |
| **Thermal** | | |
| Thermal Conductivity (W/m-K) | 4.0 | ISO 22007-2 |

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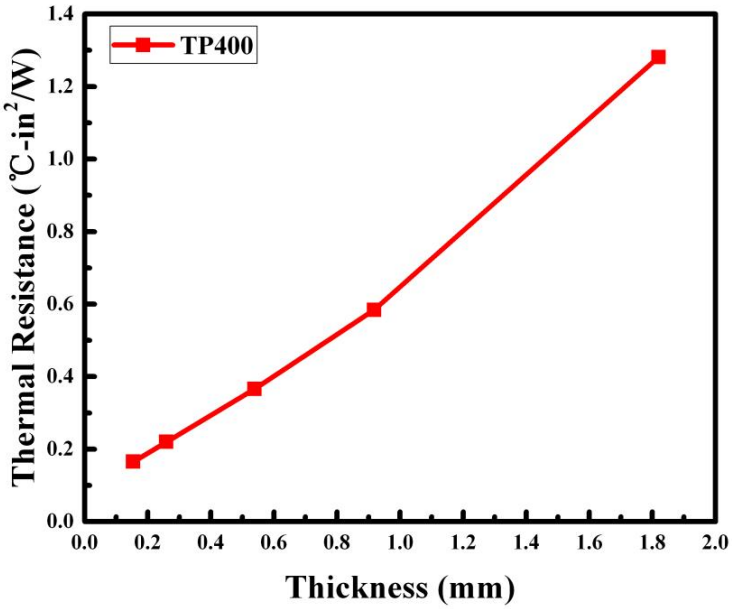
### Thickness vs. Thermal Resistance

Reference only




### Pressure vs. Deflection

Reference only