

# TGP3510PT

## Thermally Conductive Gap Pad

### BENEFITS AND FEATURES

- High thermal performance
- Ultra-soft
- High compressibility
- Excellent gap-filling capability
- Naturally tacky

### OVERVIEW

Honeywell TGP3510PT Thermally Conductive Gap Pad provides high thermal performance and excellent thermal reliability. The material's putty-like design enables excellent gap-filling capability for applications with large dimensional variances. Special surface reinforcement enables easier handling for operators during high volume assembly. The product is naturally tacky and requires no additional adhesive to mate to heat source and heat sink. Products are available in thicknesses ranging from 0.5mm to 5.0mm with 0.25mm incremental.

### TYPICAL APPLICATIONS

- EV battery & charging station
- Automotive electronics
- Power devices & modules
- Telecommunications & network servers

### STORAGE & USE

Shelf Life 12 months at 0-35°C, <65%RH

| Product Name                                                            | TGP 3510PT           | Test Method |
|-------------------------------------------------------------------------|----------------------|-------------|
| Color                                                                   | Green                | Visual      |
| Thickness (mm)                                                          | 0.5-5                | ASTM D374   |
| Thermal Conductivity (W/m-K)                                            | 3.5                  | ASTM D5470  |
| Thermal Impedance(°C·in <sup>2</sup> /W)<br>(1mm@10psi) (Typical Value) | 0.45                 | ASTM D5470  |
| Hardness (Shore00)                                                      | 15                   | ASTM D2240  |
| Specific Gravity                                                        | 3.2                  | ASTM D792   |
| Dielectric Constant@1MHz                                                | 6.4                  | ASTM D150   |
| Volume Resistivity (ohm-cm)                                             | 4 x 10 <sup>13</sup> | ASTM D257   |
| Flammability Rating                                                     | V-0                  | UL94        |

### Honeywell Electronic Materials

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 Germany: 49-5137-999-9199  
 Japan: 81-3-6730-7092  
 Korea: 82-2-3483-5076  
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