

# TGP3500PT, TGP6000PT and TGP8000PT Thermally Conductive Gap Pads

## BENEFITS AND FEATURES

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

## OVERVIEW

Honeywell TGP3500PT, TGP6000PT and TGP8000PT Thermally Conductive Gap Pads provide 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.

Property	TGP3500PT	TGP6000PT	TGP8000PT	Test Method
Color	White	Grey	Grey	Visual
Thickness (mm)*	0.5-5	1.0-5	1.0-5	ASTM D374
Specific Gravity	3.2	3.4	3.5	ASTM D792
Hardness (Shore00)	5	5	5	ASTM D2240
Thermal Conductivity (W/m-K)	3.5	6.0	8.0	ASTM D5470
Thermal Impedance (°C-in <sup>2</sup> /W)(1mm@10psi) (Typical Value)	0.45	0.27	0.19	ASTM D5470
Dielectric Constant@1MHz	6.4	6.5	8.5	ASTM D150
Volume Resistivity (ohm-cm)	4 x 10 <sup>13</sup>	4 x 10 <sup>15</sup>	4 x 10 <sup>15</sup>	ASTM D257
Flammability Rating	V-0	V-0	V-0	UL94

\* Thickness range: with 0.25mm incremental  
Thickness Tolerance: >=1mm, ±10%  
0.5-1mm, ±0.1mm

## Honeywell Electronic Materials

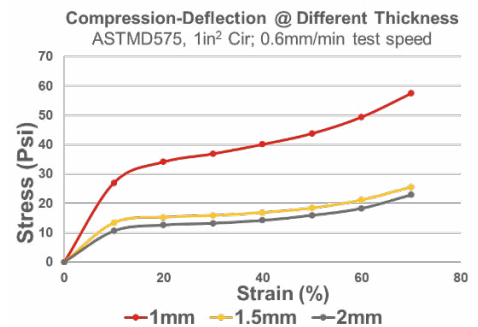
USA: 1-509-252-2102  
China: 400-840-2233  
Germany: 49-5137-999-9199  
Japan: 81-3-6730-7092  
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## TYPICAL APPLICATIONS

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

## STORAGE & USE

Shelf Life 12 months at 23±2°C



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