SOFT PYROLYTIC GRAPHITE SHEET
(SOFT-PGS)

THERMAL INTERFACE MATERIAL

PRODUCT INFORMATION

> Soft-PGS is designed as TIM (Thermal Interface Material) for IGBT modules

> Excellent TIM material compared to thermal grease and Phase Change Material (PCM) due to high workability and practicability (easy installation and low maintenance), reliability (no physical deformation) and thermo stability

> Increases the lifetime and reliability of the IGBT module

> High compressibility property helps to reduce contact thermal resistance due to better fitting to uneven surface compared with regular PGS

CHARACTERISTICS

<table>
<thead>
<tr>
<th>Item</th>
<th>Condition</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressibility</td>
<td>600kPa</td>
<td>40%</td>
</tr>
<tr>
<td>Thermal Conductivity</td>
<td>X-Y</td>
<td>400W/m-K</td>
</tr>
<tr>
<td></td>
<td>Z</td>
<td>28W/m-K</td>
</tr>
<tr>
<td>Thermal Resistance</td>
<td>600kPa</td>
<td>0.2K-cm²/W</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td></td>
<td>-55 to +400°C</td>
</tr>
<tr>
<td>Certificate</td>
<td></td>
<td>UL-94 V-0</td>
</tr>
<tr>
<td>Thickness</td>
<td></td>
<td>200μm</td>
</tr>
</tbody>
</table>

APPLICATION

Custom cut Soft-PGS is available for IGBT modules of Fuji Electric, Hitachi, Infineon, Mitsubishi Electric and Semikron* (for other IGBT manufacturer upon request)

> Soft-PGS line-up and IGBT manufacturer cross list
  [industrial.panasonic.com/ww/soft-pgs-cross](industrial.panasonic.com/ww/soft-pgs-cross)

*Trade marks/trade names are not held by Panasonic but are proprietary to the respective third party company
SOFT PYROLYTIC GRAPHITE SHEET (SOFT-PGS)

THERMAL INTERFACE MATERIAL

FEAT URES

* Maintenance fee includes additional material cost and additional labour cost for rework. Labour cost are estimated on European level. Soft-PGS cost for a size of 60x120mm. IGBT cost not included.

PRODUCT EXAMPLE

Soft-PGS (P/N: EYGS0610ZLAH) for Infineon 62mm IGBT Module Series
Dimension (mm)

Design and specifications are subject to change without notice. Ask the factory for technical specifications before purchase and/or use. If there is any doubt regarding the safety of this product, kindly inform us immediately for technical consultation.