[Characteristics]

This electromagnetic wave shield film for FPC has high shield property / high flexibility / lead-free solder durability.
Ideal for Mobile Phone Hinge / Camera Module, which requires less noise.

[Structure]

![Structure Diagram]

<Products Thickness>
After Press: 22μm

[Technical Data]

<table>
<thead>
<tr>
<th>Product Name</th>
<th>TSS200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transfer Film</td>
<td>50μm PET</td>
</tr>
<tr>
<td>Shield Layer</td>
<td>Urethane resin based</td>
</tr>
<tr>
<td>Protection Film</td>
<td>75μm PET</td>
</tr>
<tr>
<td>Thickness of Shield Layer</td>
<td>22μm (after press)</td>
</tr>
<tr>
<td>Shielding Effect</td>
<td>More than 40dB (1GHz)</td>
</tr>
<tr>
<td>Surface Resistance</td>
<td>Less than 300mΩ/□</td>
</tr>
<tr>
<td>Peel Strength (PI) (N/10mm)</td>
<td>More than 3N</td>
</tr>
<tr>
<td>UL94 Flame Class</td>
<td>VTM-0 *TSS/kapton50H/TSS</td>
</tr>
</tbody>
</table>

Above data is our self-conducted test result but not our guaranteed performance.

<Peel Strength Measurement Conditions>

- Structure: Kapton200EN/(Conductive Layer Side)TSS(Insulation Layer Side)/Adhesive Sheet/Kapton200EN
- Laminating Conditions: Laminate 90°C → Press 150°C x 2MPa x 30min.
- Peel Speed: 50mm/min.
- Peel Angle: 90°
[How to Apply (Quick Press)]
1) Release protection film from conductive layer.
2) Laminating on FPC (Tentative fastening).
3) Heat press on insulation layer side with transfer film under vacuum condition more than 3 min.
4) Release transfer film.
5) Post cure.

[How to Apply (Only Press)]
1) Release protect film from conductive layer.
2) Laminating on FPC (Tentative fastening).
3) Heat press on insulation layer side with transfer film over 30 min.
4) Release transfer film.

[Recommended Press Condition]

<table>
<thead>
<tr>
<th>Press Conditions</th>
<th>Post Cure</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Temp.</td>
</tr>
<tr>
<td>Quick Press &amp; Post Cure</td>
<td>150±10°C</td>
</tr>
<tr>
<td>Only Press</td>
<td>150±10°C</td>
</tr>
</tbody>
</table>

[Notice of Storage Condition]
- TSS200 should be stored under 10°C / 70%RH.
- Please leave the shield film stored under refrigerating condition at room temperature for adequate time.
- Recommended restoration time is more than 7 hours.
- If it takes time from cutting process to heat process, please keep them under a refrigerating storage.