Excellent EMI shielding around LCDs and other apertures
- Low surface electric resistance gives higher shielding effectiveness
- Electrically conductive film with superior optical transparency
- Custom sheet cutting, punching, adhesive tape attachment etc. available upon request

Cross-section view

<table>
<thead>
<tr>
<th>WINAL75-080</th>
<th>WINAL100-020</th>
<th>WINAL50-005</th>
</tr>
</thead>
<tbody>
<tr>
<td>Removable surface protection film (green)</td>
<td>Removable surface protection film (green)</td>
<td>Removable surface protection film (green)</td>
</tr>
<tr>
<td>Transparent conductive layer</td>
<td>Transparent conductive layer</td>
<td>Protective permanent PET film</td>
</tr>
<tr>
<td>PET (75µm)</td>
<td>PET (100µm)</td>
<td>PET (50µm)</td>
</tr>
<tr>
<td>Removable surface protection film (clear)</td>
<td>Removable surface protection film (clear)</td>
<td>Removable surface protection film (clear)</td>
</tr>
</tbody>
</table>

Specification

- **Part Number**: WINAL75-080, WINAL100-020, WINAL50-005
- **Thickness (µm)**: 75, 100, 94
- **Standard Sheet Size (mm)**: 420 x 600, 210 x 297, 200 x 297
- **Shielding Effectiveness (dB/1GHz)**: 10, 22, 30
- **Total Light Transmittance (%)**: 76, 76, 76
- **Surface Resistance (Ω/㎠)**: 80, 20, 5
- **Flame Retardancy**: VTM-2 equivalent, VTM-2 equivalent, -
- **Operating Temperature (℃)**: -30 - 80, -30 - 80, -30 - 80

*Test method

- **Surface protection film not included**

Characteristics

<table>
<thead>
<tr>
<th>MIL-STD-285 Measurement (Electric Shield)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WINAL50-005</td>
</tr>
<tr>
<td>Frequency (MHz)</td>
</tr>
</tbody>
</table>

Custom liner options
- Addition of conductive fabric tape layer
- Custom die cutting
- Hole punching

Please request for detailed product specification data prior to purchase

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Email: sales@kgs-ind.com

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