Polyimide-ink for screen printing
Introduction of Q-IP-0266G

The ink for cover-lay which formed by screen printing. Since it has been polymerized, the cover-lay can be obtained only by drying the solvent.

Althought the common cover-lay film has structure which applied the thermosetting adhesion layer to the base polyimide film, our cover-lay do not have both base polyimide film and thermosetting adhesion layer. Softly and excellent in heat resistance are the greatest feature.

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Properties</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>-</td>
<td>Blue</td>
<td></td>
</tr>
<tr>
<td>Viscosity</td>
<td>mPas</td>
<td>30,000〜50,000</td>
<td>B Type Viscometer、at 24℃</td>
</tr>
<tr>
<td>Solid contents</td>
<td>%</td>
<td>29.5〜34%</td>
<td></td>
</tr>
<tr>
<td>Solvent</td>
<td>-</td>
<td>Methyl benzoate、Triglyme</td>
<td></td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Item</th>
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</thead>
<tbody>
<tr>
<td>Tg</td>
<td>℃</td>
<td>90</td>
<td>TMA</td>
</tr>
<tr>
<td>CTE</td>
<td>ppm</td>
<td>515</td>
<td>TMA</td>
</tr>
<tr>
<td>Thermal decomposition temp.</td>
<td>℃</td>
<td>378</td>
<td>Td5</td>
</tr>
<tr>
<td>Elastic modulus</td>
<td>Gpa</td>
<td>0.75</td>
<td>PIRD method</td>
</tr>
<tr>
<td>Elongation</td>
<td>%</td>
<td>130 以上</td>
<td>PIRD method</td>
</tr>
<tr>
<td>Folding endurance</td>
<td>time</td>
<td>101</td>
<td>R=0.38,500g</td>
</tr>
</tbody>
</table>

**Process**

<table>
<thead>
<tr>
<th>Terms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product type</td>
</tr>
<tr>
<td>1 liquid type</td>
</tr>
<tr>
<td>Strage</td>
</tr>
<tr>
<td>Dark place(-20〜10℃)</td>
</tr>
<tr>
<td>Printing</td>
</tr>
<tr>
<td>Depending on printing machine, mask, squeegees to be used. Please use it at the environment of humidity less than 55%.</td>
</tr>
<tr>
<td>Drying</td>
</tr>
<tr>
<td>120℃×60min+180℃×30min</td>
</tr>
</tbody>
</table>

**Application:** Cover lay for FPC, etc

PI R & D Co., Ltd (Sales division)
12-5, Torihama-chou, Kanazawa-ku, Yokohama
236-0002 JAPAN
TEL : +81-45-778-3355
FAX : +81-45-778-3356
E-mail : info@pird.co.jp