PRODUCT DESCRIPTION

Copprint LF-350 provides the following product characteristics:

<table>
<thead>
<tr>
<th>Technology</th>
<th>Screen printing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Copperish paste</td>
</tr>
<tr>
<td>Filler Type</td>
<td>Copper</td>
</tr>
</tbody>
</table>
| Product Benefits | ● High conductivity  
                     ● Small particle size  
                     ● Good adhesion  
                     ● Excellent printability with screen printing |

<table>
<thead>
<tr>
<th>Drying</th>
<th>Ceramic lamps/hot air/thermal plate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sintering</td>
<td>Heat press</td>
</tr>
<tr>
<td>Application</td>
<td>Conductive Ink</td>
</tr>
<tr>
<td>Key Substrates</td>
<td>PET</td>
</tr>
<tr>
<td>Typical Assembly Applications</td>
<td>UHF and HF antenna, heaters and sensors</td>
</tr>
</tbody>
</table>

Copprint LF 350 screen printable paste is formulated to provide high electrical conductivity.

TYPICAL PROPERTIES OF UNCURED MATERIAL

- Average particle Size, µm: <0.15
- Solids Content, after 30 minutes @ 150°C, %: 85
- Density, g/ml: 2.8
- Viscosity @ 25°C, DVEHA Brookfield spindle 14, 100rpm, mPa∙s (cps): 6000-8000
- Thixotropic Index (1.5/15 s⁻¹): 1.4-1.6
- Theoretical coverage @ 5 µm dry film thickness, m²/kg: 17
- Shelf Life @ -10°C, days: 180
- Flash Point - See SDS

The above drying is a guideline recommendation. Conditions (time and temperature) may vary based on customers’ experience and their application requirements, as well as customer drying equipment, oven loading and actual oven temperatures.

TYPICAL PROPERTIES OF CURED MATERIAL

Physical Properties
- Adhesion, (tape test 3M Scotch 234) pass
- Cross cut test ISO 2409-2007: 4-5b

Electrical Properties
- Sheet Resistance, ohm/sq/25 µm: <0.004

GENERAL INFORMATION

For safe handling information on this product, consult the Safety Data Sheet, (SDS).

DIRECTIONS FOR USE

Preparation guidelines
1. Copprint LF-300 is supplied as “Sinter ready” formulation ready for use.
2. Mix formulation prior print.
   *Detailed procedure can be found in Application Notes [www.copprint.com](http://www.copprint.com)

Application (screen properties)
- Emulsion, Solvent and Water resistant emulsion, µm: 10 to 40
- Squeegee Shore Hardness: 70 to 90
- Screen Type, Polyester screen, mesh: 100 to 300

CLEAN-UP

The equipment can be cleaned with Dowanol DB followed by water.

STORAGE:

Store product in the tightly closed container in a dry location below -10°C. Open the container carefully. Storage information may be indicated on the product container labeling.

Optimal Storage: below -10°C. Storage above -10°C can adversely affect product properties.

Material removed from containers may be contaminated during use. Do not return product to the original container. Copprint cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated.

Not for product specifications

The technical data contained herein are intended as reference only.

Technical Data Sheet