Product Description
DuPont 5064H silver conductor was developed for applications where cost efficient properties are required. This product uses a unique combination of Ag powder and resin technology providing superior conductivity and performance. This composition is solvent based and was designed to be screen printed in semi-automatic or high volume reel-to-reel applications.

Product Benefits
- Good printability
- Outstanding electrical conductivity
- High paste coverage
- Excellent adhesion to various substrates

Processing
- **Screen Printing Equipment**
  - reel-to-reel, semi-automatic, manual
- **Substrates**
  - Polyester, paper, card
- **Screen Type**
  - Polyester, stainless steel
- **Typical Drying Conditions**
  - Static Box Oven: 130°C/10-20min
  - Reel-to-reel: 140°C/2min
- **Typical Circuit Line Thickness**
  - Printed with 200mesh polyester screen: 9µm
- **Clean-up Solvent**
  - Ethylene diacetate or Methyl propasol acetate

### Table 1
**Composition Properties**

<table>
<thead>
<tr>
<th>Test</th>
<th>Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids (%)</td>
<td>63 - 66</td>
</tr>
<tr>
<td>Viscosity (Pa.S)</td>
<td>10 - 20</td>
</tr>
<tr>
<td>Thinner</td>
<td>DuPont 8260</td>
</tr>
<tr>
<td>Shelf Life (months)</td>
<td>6</td>
</tr>
</tbody>
</table>

### Table 2
**Typical Physical Properties**
Printed on 125µm PET film

<table>
<thead>
<tr>
<th>Test</th>
<th>Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resistivity (mΩ/sq/25µm)</td>
<td>≤ 6</td>
</tr>
<tr>
<td>Coverage (cm²/g)</td>
<td>170</td>
</tr>
<tr>
<td>Abrasion Resistance (H)</td>
<td>5</td>
</tr>
<tr>
<td>Adhesion (B)</td>
<td>5</td>
</tr>
</tbody>
</table>

Table 1 & 2 show anticipated typical physical properties for DuPont 5064 based on specific controlled experiments in our labs and are not intended to represent the product specifications, details of which are available upon request.
Drying
Dry in a well ventilated box oven or belt/conveyor furnace. Air flow and extraction rates should be optimized to ensure complete removal of solvent from the paste. A strong air flow may help to reduce the drying temperature/time considerable and to achieve the lowest as-printed resistance. Typical drying conditions Static Box oven: 130°C/10-20 min; Reel-to-reel: 140°C/2 min.

Storage and Shelf Life
Containers should be stored, tightly sealed, in a clean, stable environment at room temperature (<25°C). Shelf life of material in unopened containers is six months from date of shipment. Some settling of solids may occur and compositions should be thoroughly mixed prior to use.

Safety and Handling
For Safety and Handling information pertaining to this product, read the Material Safety Data Sheet (MSDS).