**Product Description**
DuPont 5426 is a plateable silver/palladium termination specifically developed for chip resistor application requiring low cost and high performance.

**Product Benefits**
- Excellent post-plating adhesion
- High acid resistance
- Thinner prints
- Fast firing - 850°C/30 min profile
- Cadmium-free*
- Co-fireable with DuPont 00X0A chip resistors
- Dense fired film

*Cadmium “free” as used herein means that this is not intentionally added to the referenced product. Trace amounts however may be present.

**Processing**

**Substrates**
Reported properties are based on tests with 96% alumina substrates. Substrates of other compositions may yield variations in performance properties.

**Screen Printing Equipment**
Properties are based on DuPont 5426 printed to 20±2 µm dried thickness using 250-mesh stainless steel screen with an emulsion thickness of approximately 10 µm.

**Clean up Solvent**
While traditional cleaners work with DuPont 5426, Arcosolv PNP (1-propoxy,2-proponal), a non-CFC alternative, is recommended.

**Drying**
Prints should be allowed to level at room temperature for 5 to 10 minutes and then dried for 10 minutes at 150°C.

**Typical Physical Properties**

<table>
<thead>
<tr>
<th>Test</th>
<th>Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fired Thickness (µm)</td>
<td>8 - 12</td>
</tr>
<tr>
<td>Solder Adhesion (N)</td>
<td>10 - 18</td>
</tr>
</tbody>
</table>

**Composition Properties**

<table>
<thead>
<tr>
<th>Viscosity (Pa·s)</th>
<th>200-280</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thinner</td>
<td>DuPont 8250</td>
</tr>
</tbody>
</table>

Table 1 & 2 show anticipated typical physical properties for DuPont 5426 based on specific controlled experiments in our labs and are not intended to represent the product specifications, details of which are available upon request.

**Firing**
Properties are based on a 30-minute firing cycle with 10 minutes at a peak of 850°C.
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).

For more information on DuPont 5426 or other DuPont Microcircuit Materials products, please contact your local representative:

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