**PRODUCT DESCRIPTION**
DuPont™ ME780 is a part of the DuPont suite of materials developed for In-Mold Electronic applications. ME780 is a solvent based dielectric designed to be used as a protective over-print/encapsulant.

**PRODUCT BENEFITS**
- Compatible with Polycarbonate
- Flexible and Thermoformable
- Resistant to UV exposure
- Good environmental durability

**PROCESSING**
**Substrates**
Polycarbonate, surface-treated polyester

**Screen Printing Equipment**
Reel-to-reel, semi-automatic or manual

**Ink Residence Time on Screen**
< 1 Hour

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**TYPICAL PHYSICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Test</th>
<th>Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids (%) @ 150°C</td>
<td>33 – 38</td>
</tr>
<tr>
<td>Viscosity (Pa-s) [Brookfield 0.5xRVT #14 Spindle; 10 RPM @ 25°C]</td>
<td>25 – 35</td>
</tr>
<tr>
<td>Thinner</td>
<td>DuPont™ 3610</td>
</tr>
<tr>
<td>Coverage (cm²/gr @ 10μm thickness)</td>
<td>370</td>
</tr>
<tr>
<td>Dried layer thickness (μm)</td>
<td>11</td>
</tr>
<tr>
<td>Color</td>
<td>Clear</td>
</tr>
</tbody>
</table>

This table shows anticipated typical physical properties for DuPont™ ME780 based on specific controlled experiments in our labs and are not intended to represent the product specifications, details of which are available upon request. Coverage value based on printing with a 280-030 0.0012” stainless steel screen.

**Screen Types**
Polyester, stainless steel

**Typical Drying Conditions**
Box oven: 120°C for 20 minutes in a well-ventilated oven
Reel-to-reel: 120°C for 4 minutes in a well-ventilated tunnel dryer

**Typical Layer Thickness**
11μm per layer; printed with 250-36 stainless steel screen on PC.

**Clean-Up Solvent**
Ethylene glycol diacetate
DUPONT™ ME780 PROTECTIVE DIELECTRIC/ENCAPSULANT

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 Safety Data Sheet (SDS).

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CAUTION: Do not use in medical applications involving permanent implantation in the human body. For other medical applications, see “DuPont Medical Caution Statement,” H-50102-5.
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