**Product Description**

DuPont™ ME778 is a part of the DuPont suite of materials developed for In-Mold Electronic applications. ME778 is a solvent based crossover dielectric designed to be used in complex, stretchable multilayer circuits. It performs well in thermoformed and over-molded applications due to its unique chemistry.

**Typical Physical and Electrical Properties**

<table>
<thead>
<tr>
<th>Test</th>
<th>Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids, (%) @ 150°C</td>
<td>62 – 65</td>
</tr>
<tr>
<td>Viscosity, (Pa.s) [Brookfield RVT #14 Spindle; 10 RPM, 25°C]</td>
<td>40 – 70</td>
</tr>
<tr>
<td>Thinner DuPont™ 3610</td>
<td></td>
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<tr>
<td>Coverage (cm²/gr @ 10µm thickness)</td>
<td>290</td>
</tr>
<tr>
<td>Recommended total crossover thickness (µm)</td>
<td>&gt;25</td>
</tr>
<tr>
<td>Dielectric Constant (17mm² test target)</td>
<td>18</td>
</tr>
<tr>
<td>Adhesion to Polycarbonate Scotch Tape #600, Crosshatch (ASTM D3359)</td>
<td>5</td>
</tr>
<tr>
<td>Breakdown Voltage [1mm traces at 90 degrees with &gt;= 25µm dielectric] (kV)</td>
<td>&gt; 2.5</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
</tr>
</tbody>
</table>

This table shows anticipated typical physical properties for DuPont™ ME778 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” wire diameter) stainless steel screen.

**Product Benefits**

- Excellent printability with minimal pin-holing
- High dielectric insulation properties with 2-3 printed layers
- High breakdown voltage
- High elongation with minimal/no cracking after thermoforming

**Processing**

**Substrates**
Polycarbonate, surface-treated polyester

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

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

**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**
7-10µm per layer; printed with a 280-030 (0.0012” wire diameter) stainless steel screen or 77-48 (threads/cm - wire diameter) PET screen.
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).

For more information on DuPont™ ME778 or other DuPont products, please visit our website.