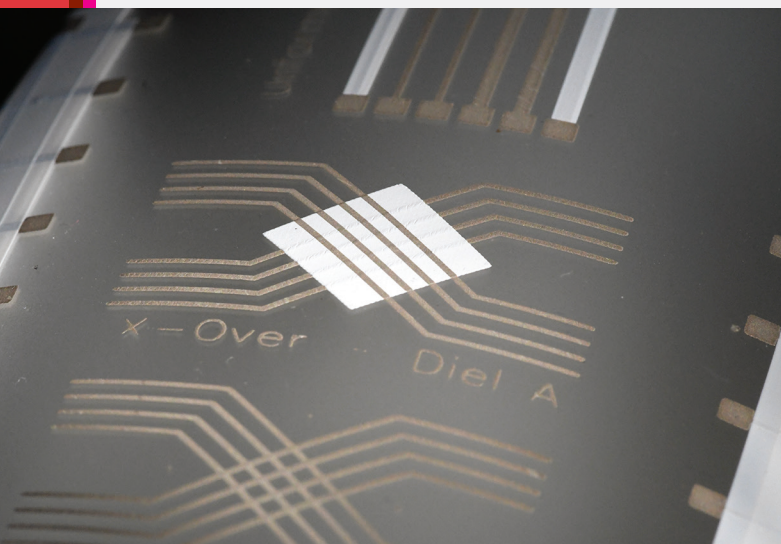




# DUPONT™ ME778

## CROSSOVER DIELECTRIC



### 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.

### 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

### TYPICAL PHYSICAL & ELECTRICAL PROPERTIES

Test	Properties
Solids (%) @ 150°C	62 – 65
Viscosity [Brookfield RVT #14 Spindle; 10 RPM @ 25°C] (Pa·s)	40 – 70
Thinner	3610
Coverage (cm <sup>2</sup> /gr @ 10 μm thickness)	280
Recommended total crossover thickness (μm)	>25
Dielectric Constant (17mm <sup>2</sup> test target)	18
ASTM D3359	5
Color	White

This table shows anticipated typical physical properties for DuPont™ ME778 based on specific controlled experiments and electrical tests 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

### Clean-Up Solvent

Ethylene glycol diacetate

### Typical Layer Thickness

7-10μm per layer; printed with a 280-030 0.0012" stainless steel or 77- 48 (threads/inch-wire diameter) PET Screen.



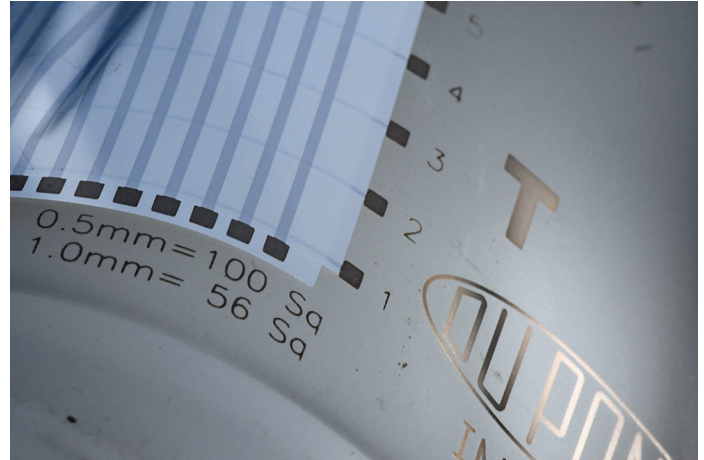
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### STORAGE AND SHELF LIFE

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 ADVANCED MATERIALS, PLEASE CONTACT YOUR LOCAL REPRESENTATIVE:

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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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