



# DUPONT™ ME775

## CROSSOVER DIELECTRIC

### PRODUCT DESCRIPTION

ME775 is part of the DuPont suite of materials developed for In Mold Electronic applications. ME775 is a solvent based crossover dielectric capable of withstanding thermoforming and overmolding temperatures. This composition is intended to be used for high elongation Capacitive Switch applications.

### PRODUCT BENEFITS

- Solvent based
- Thermoformable dielectric
- Injection, moldable dielectric

### PROCESSING CONDITIONS

#### 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 5 minutes

Reel-to-reel: 120°C for 3 minutes

#### Typical Circuit Line Thickness

7-10 microns

Printed with SD 56/36 (280mesh) stainless steel or 77 – 48 PET Screen

#### Clean-Up Solvent

Ethylene glycol diacetate

**Table 1. Composition Properties**

Test	Properties
Solids (%) @ 150°C	48 – 53
Viscosity (Pa.s) [RVT #14, 10 RPM, 25eld]	45 – 85
Color	White
Thinner	Not Recommended
Shelf Life (months)	6

**Table 2. Typical Physical Properties**

Test	Properties
Adhesion Crosshatch (ASTM D2259-78) Dielectric to Polyester Scotch Tape #500(B)	>4
Flexibility (45o bend)	No cracking
Continuous Operating Use Temperature (°C)	≤120

Tables 1 and 2 show anticipated typical physical properties for DuPont™ ME775 based on specific controlled experiments in our labs and are not intended to represent the product specifications, details of which are available upon request.

### 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).



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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 K-28966 (5/16)