



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

1 Micron

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)	>1
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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FOR MORE INFORMATION ON DUPONT™ ME775 OR OTHER DUPONT MICROCIRCUIT 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 K-28966 (11/15)