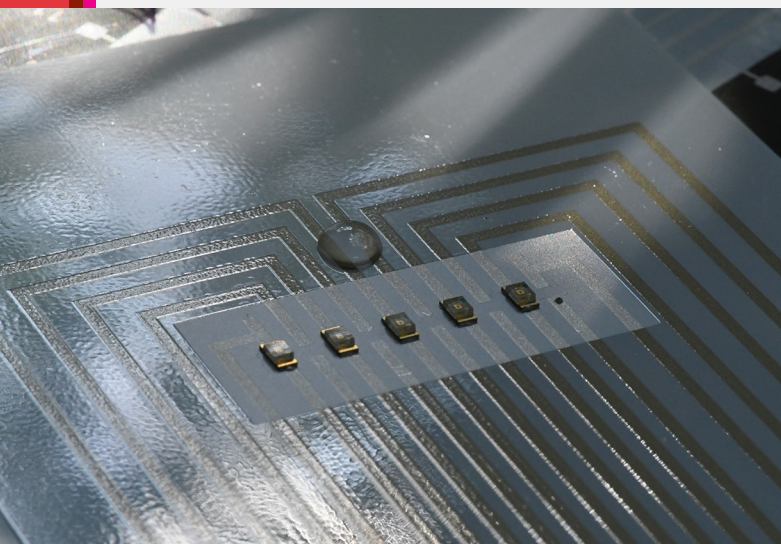




DUPONT™ ME780

PROTECTIVE ENCAPSULANT



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

TYPICAL PHYSICAL PROPERTIES

Test	Properties
Solids (%) @ 150°C	33 – 38
Viscosity (Pa·s) [Brookfield 0.5xRVT #14 Spindle; 10 RPM @ 25°C]	25 – 35
Thinner	DuPont™ 3610
Coverage (cm ² /gr @ 10µm thickness)	370
Dried layer thickness (µm)	11
Color	Clear

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



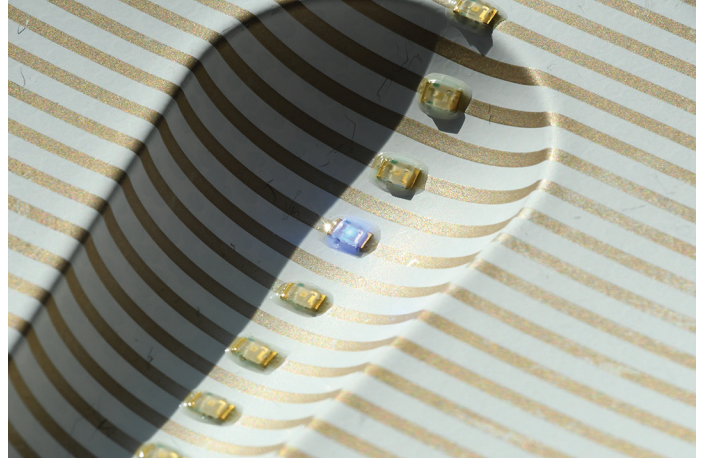
DUPONT™ ME780 PROTECTIVE DIELECTRIC/ENCAPSULANT

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. K-29895 (8/18)