# **DELPH**N

## **CUSTOM POLYMER FILMS For Flexible Electronics**

SPECIALIZED POLYMER FORMULATIONS: Delphon's inhouse polymer scientists develop a wide range of high-performance polymer films and coatings for semiconductor, electronic, and medical applications.

- Polyurethane
- Fluorosilicone
- Silicone

- TPE/TPU
- Urethane
- COPE
- TPV Ionomer





CUSTOMIZED FILMS: We are fully equipped to extrude or coat customized polymer films to have a variety of unique properties required by todays flexible hybrid electronics.

- Stretchable
- Custom Tack levels
- Texturized Surface
- Printable
- Breathable

PROTOTYPE DEVELOPMENT: Our engineers work with the worlds leading technology companies on next-generation film concepts.

- Facility ideal for prototyping and mid-volume production
- Film manufactured in a certified cleanroom environment

IN-HOUSE ANALYTICAL LAB: Delphon's analytical performs a variety of material characterization tests in order to ensure the highest quality standards.

- Elemental analysis
- Chemical composition
- Material composition
- Mechanical properties
- Adhesive tack

Surface energy

- Viscosity
- Electrical conductivity



## OTHER DELPHON CAPABILITIES...

#### **Converting Services**

In order to provide customized products for high-tech applications, Delphon offers a variety of converting services. Whether it's custom die cutting, laminating, or coating, our in-house capabilities make it possible to create products in small prototype batches or large production runs.

Slitting Laser Cutting Die Cutting Laminating

#### Coating

Delphon has a wide range of coating processes for applications in the medical, semiconductor, aerospace and electronics industries.

Protective

UV U Antimicrobial Antistatic

Adhesive

#### Printing

Our variety of printing technologies and experience with specialty inks allow us to customize materials specifically for a customer's application.

Screen printing Flexographic printing

- Pad printing
- Inkjet Hot-stamping



#### Brands Gel-Pak

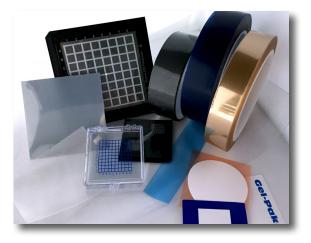
Gel-Pak manufactures a family of innovative gel-coated boxes, trays, slides and films that protect devices during shipping, handling and processing. www.gelpak.com

### UltraTape

UltraTape manufactures cleanroom tape, custom labels and high-performance graphic overlays. www.cleanroomtape.com

#### TOUCHMARK

TouchMark provides precision printing/marking and surface treatment surface for medical and electronic devices. www.padprint.com



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