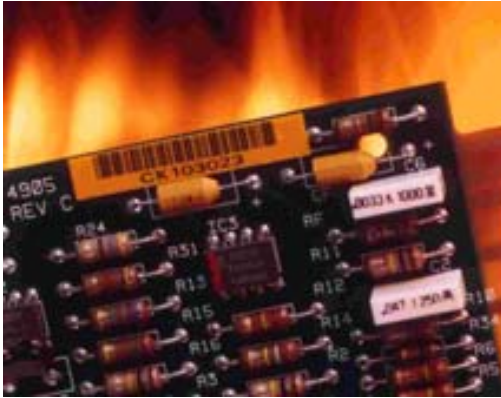


Bar Code Labels of DuPont™ Kapton®

Application

Bar code labels for high temperature environments for printed circuit board applications.



Product Features

- Thermal transfer, laser ink jet, flexographic, dot-matrix printable
- Pigmented coatings to provide contrast
- Superior hydrolytic and chemical resistance
- Nonwicking in chemical applications
- Maximum width is 11 in (27.94 cm)

Polyonics, Inc. of Westmoreland, NH, fabricates its bar code labels on 1 or 2-mil thick substrates of Kapton® upon which an acrylic adhesive and one of several ink-receptive topcoats are applied. Polyonics is able to mix and match film thickness, topcoat chemistries and adhesives to meet its customers' needs for harsh labeling applications. When printed with the appropriate ribbon, Polyonics Kapton®-based label stocks endure the most hostile environments without overlamination.

Polyonics specializes in manufacturing printable label materials for harsh industrial environments including dot matrix, hot stamp, flexographic, laser jet, and thermal transfer barcode applications. Polyonics products withstand high-temperatures, chemicals, outdoor exposure, and ESD. They coat

polyester, polyimide (Kapton®), aramid (Nomex®), polyvinyl fluoride (Tedlar®), and other high-performance films.

Polyonics materials are widely used across diverse industries such as electronics, wire and cable marking, aerospace, pharmaceutical, security and anti-counterfeiting, glass, metal, ceramic, and automotive.

Advantages

Bar code labels made of Kapton® polyimide film offer the following advantages

- Superior hydrolytic and chemical resistance
- Can endure cryogenic storage and harsh environments without overlamination
- Customers are not “locked” in one printer or ribbon for usage
- Using Polyonics' vast database, customers can cross-reference specific chemicals with labelstock/ribbon combinations using different printing technologies

Typical Properties of Kapton® 100HN and 200HN Printable Films

Tensile strength, kpsi	23
Elongation, %	70
Optical Density	1.0
Gloss	105.0
Surface energy, dyn/cm	58
Yield, ft ² /lb	62

For more information on Polyonics products, contact Brenda Ricker at 888-765-9669, or visit their website at <http://www.polyonics.com>.

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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.

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