

## BLACK MATTE PI

# THERMLfilm® PI 100 BK MTC-729 V-455 55W GL-8

## HIGH TEMPERATURE FILM TO HANDLE THE HEAT

Thermal management of Li-ion and Ni-CD batteries is a key requirement of the electronic industry today. Polyimide is an excellent choice of material because of its superior insulation properties, high heat resistance and dimensional stability. Black polyimide is often chosen to wrap these batteries offering an insulation layer which provides protection for the battery from other heat sources within close proximity which could lead to overheating and possible battery explosion.

### Target Market

- ELECTRONICS
- ELECTRICAL
- AUTOMOTIVE
- INDUSTRIAL
- AEROSPACE

### Recommended Applications

- Battery wrapping
- Cable wrapping
- Sealing components

### Features & Benefits

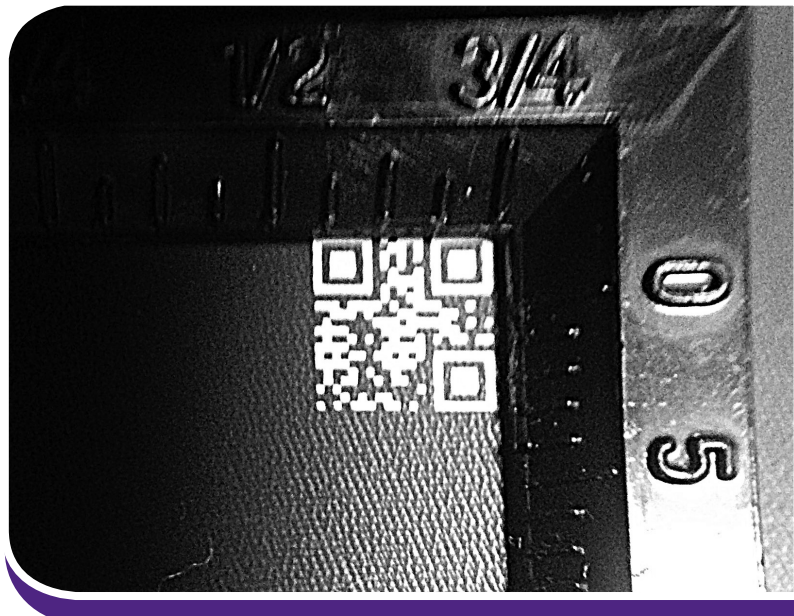
- 25µ black polyimide as a standard
- Super smooth top coat
- TTR printable up to 600 dpi
- Superior insulating properties, thermal management of electrical & electronic components

### Differentiating Factor

- High temperature resistance up to 260° C
- Superior insulating properties

### Availability

- Options include 50µ black, 25µ amber & 50µ amber polyimide as well as ESD options (tailored to your ESD requirements).



## BLACK POLYIMIDE TO HANDLE THE HEAT

With the trend for electronics becoming smaller, thinner and lighter, batteries also have to follow suit. That said, design engineers are striving for thinner more cost efficient materials whilst maintaining the high quality and performance. FLEXcon's 25µ black polyimide is a high performing, cost effective solution. The thin polyimide is an excellent choice for wrapping batteries and sealing components with tight corners and thin edges. The material is coated with V-455 high temperature permanent adhesive which is suitable for applications up to 260°C.

Super-smooth topcoat. For TTR printability up to 600 dpi.

Our specially formulated topcoat provides a super smooth printing surface. It's ideal for high density information such as data matrix codes, and provides consistent ANSI scannability. In addition, the static dissipating qualities of the topcoat minimise the risk of print voids to ensure optimum print quality and consistency. The topcoat also provides excellent resistance against common chemicals.

Applications - suitable for insulation, thermal management of components, isolating heat sources i.e. battery wrapping, cable wrapping, for markets including Electronics, Electrical, Automotive, Industrial and Aerospace (tablets, laptops, desktops, TV's, mobile phones, electrical parts and mechanical components)

THERMLfilm® PI Product			
THERMLfilm® PI 100 BLACK MTC-729 V-455 55W GL-8	25µ	BLACK	HIGH TEMPERATURE ADHESIVE
<p>If you would like to explore more product options, please visit our European Product Finder on:  <a href="https://www.flexcon.com/european-product-finder">https://www.flexcon.com/european-product-finder</a></p>			

