

Dureflex® **Platilon®**

THERMOPLASTIC POLYURETHANE (TPU) FILM ON PAPER CARRIER

Enhanced precision converting
High temperature processing
Simplified device placement



Thermoplastic Polyurethane (TPU) Film on Paper Carrier

Covestro Dureflex® MA5000 thermoplastic polyurethane (TPU) film on paper is effective for high-performance skin-friendly medical applications. This product is suitable for demanding converting requirements such as kiss cutting, slug removal, sharp edge die cutting, complex geometries, high temperature coating (>135°C) and printing registration requiring dimensional stability.



Engineered for precise and consistent converting

This product offers superior stiffness ensuring manufacturing precision and consistency in medical product conversion, such as framed window dressings, kiss cutting and slug removal.

- **Ease of die cutting** – improves accuracy for kiss-cuts, slug removal, and complex product shapes
- **Consistent carrier release** – predictable peel force allows for reliable slug removal
- **Improved handling** – high carrier rigidity facilitates smooth transport through converting machines, reducing misalignment and defects



Enables high temperature adhesive coating

The paper carrier delivers superior dimensional stability by resisting stretching, curling, and static buildup unlike polyolefin carriers. Dureflex MA5000 is designed for acrylic, silicone, hydrocolloid and other high temperature adhesive coating chemistries.

- **Temperature resistance (>135°C)** – ensures film dimensional stability during adhesive coating and conductive ink printing, minimizing the risk of wrinkling or distortion often seen with polyolefins
- **Rigid carrier** – enables consistent adhesive application, resists sagging and minimizes coating thickness variation
- **Enhanced manufacturing efficiency** – optimal release characteristics for most adhesive chemistries, allowing for direct winding after coating



Provides structural support for simplified device placement

The paper carrier maintains the dimensional stability of the device during application. This is critical for IV securement devices and window-frame dressings, where precise placement around catheter sites or wound areas is required.

- **Ease of application** – maintains a stable structure, making it easier for nurses to position and apply the dressing minimizing folding or wrinkling
- **Simplify complex application techniques** – the carrier acts as a handling aid, enabling staged application for improved placement accuracy
- **One handed application** - the paper backing allows for one-handed applications, such as self-applied CGM over-patches or IV securement

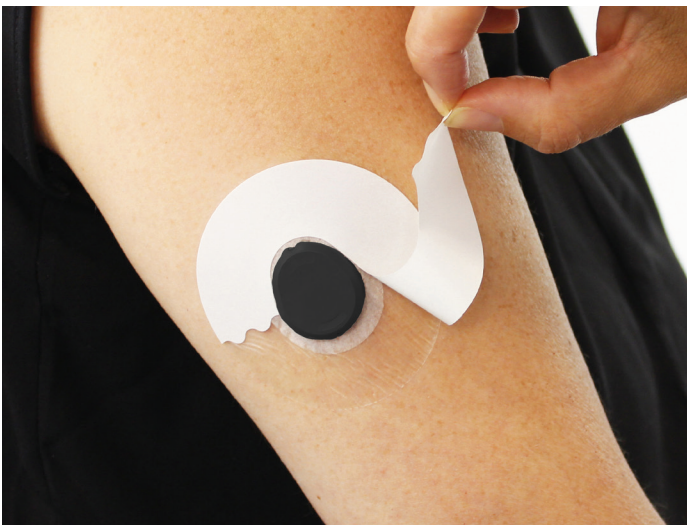
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Versatile Applications

Covestro Dureflex® MA5000 serves diverse medical uses:

- IV securement
- Framed wound dressings
- Scar management
- Hydrocolloid wound dressings
- High temperature adhesive coated wound dressings
- Medical wearables
- Flexible printed electronics



Innovation Partnership

Join us in developing wound care solutions that combine your healthcare expertise with our advanced materials science. Together, we can create more sustainable, intelligent wound care products.



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