SIGMA®

# Functional Medical Packaging Solutions

Five New Solutions

Designed for Efficiency, Enhanced Protection, Easy Opening and Sustainability.



Efficient

Enhanced Protection

Easy Opening

Sustainability

# Find the Better Solution for Your Packaging Need

01

## Header Bags (Efficient)

Coated Tyvek® Alternative



02

## Header Bags (Puncture-Resistant)

Protect Sharp-Edged Medical Devices



03

## Easy-Tear Film

Simplify Package Opening



04

## Easy-Peel Film Lids

Optimize PETG Tray Lidding

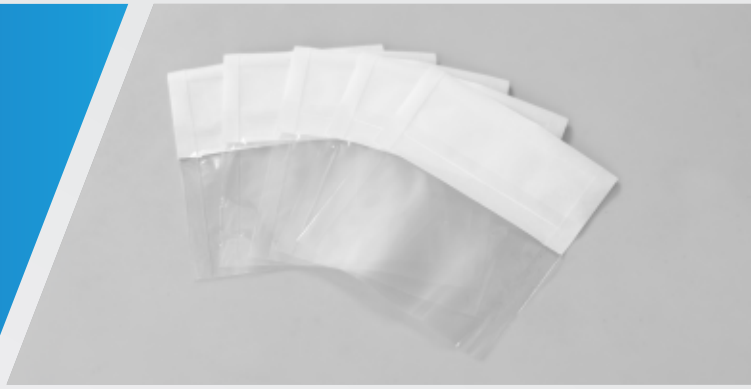


05

## PCR-PE Film

Reduce Virgin Plastic Use

# Header Bags (Efficient)



SIGMA Header Bags (Efficient) offer multiple alternative materials to Tyvek® header bags, delivering reliable performance, broad sterilization compatibility and clear printability for surgical kits and other medical device packaging applications.

## Features

- Multiple alternative materials to Tyvek®
- Excellent Sterile Barrier Performance and Broad Sterilization Compatibility
- High-Quality Printability for Clear Identification

## Applications

- Surgical kit packaging
- Disposable surgical gown packaging
- Catheter and tubing set packaging
- Medical device requiring a more economical alternative to Tyvek® header bags



## Specification

| Top web | Bottom web | | Specifications | | Sterilization methods |
|---|---|---|---|---|---|
| Model Number | Structure | Thickness (um) | Width (mm) | Length (mm) | |
| Medical Paper | PET/PE | 52 & 72 | 150~800 | 250~800 | E.O<br>Plasma<br>Gamma |

# Header Bags (Puncture-Resistant)



SIGMA Header Bags (Puncture-Resistant) provide enhanced impact and puncture resistance, a flexible multilayer structure, and reliable Tyvek® barrier performance for sharp-edged and complex medical devices.

## Features

- **Enhanced Impact & Puncture Resistance :** Provides greater resistance to impact and puncture than standard header bags.
- **Flexible Multilayer Film Structure :** Delivers excellent flexibility to accommodate medical devices of various shapes and geometries.
- **Reliable Tyvek® Barrier & Print Performance**



## Applications

- Surgical kits, surgical instruments, and related procedural devices
- Orthopedic devices, implants, and other complex medical components
- Devices with sharp edges, pointed tips, corners, irregular surfaces, or challenging geometries

## Specification

| Top web | Bottom web | | Specifications | | Sterilization methods |
|---|---|---|---|---|---|
| Model Number | Structure | Thickness (um) | Width (mm) | Length (mm) | |
| 2FS (Coated) | PE/PA/PE | 80~200 | 150~800 | 200~800 | E.O<br>Plasma<br>Gamma |
| 1059B (Coated) | | | | | |
| 1073B (Coated) | | | | | |

# Easy-Tear Film



Easy-tear film enables quick, effortless opening with controlled tearing in either direction—no tear notch required.

## Features

- No Tearing Notch Required
- Easy Tearing in machine / transverse direction
- Clear Product Presentation



## Applications

- Military supplies
- Cosmetic facial masks
- High-value powder and liquid products
- Quick-access flexible packaging

## Specification

| Type | Structure | Thickness (um) | Width (mm) | Length (M) | Color | Sterilization methods |
|---|---|---|---|---|---|---|
| Easy-Tear Film | PET/PE | 92 | 400~1250 | 1000~3000 | Transparent | Gamma |

# Easy-Peel Film Lids



Easy-Peel Film Lids as alternative to Tyvek® for medical tray packaging, with reliable heat-seal performance, clean peelability and clear printability.

## Features

- Alternative to Tyvek® Lids for PETG Trays
- Reliable and Consistent Heat-Seal Performance
- Clean, Controlled Peel for Convenient Opening
- High-Quality Printability for Clear Information and Branding

## Applications

- Top web for rigid trays



## Specification

| Top web | Bottom web | | Specifications | | Sterilization methods |
|---|---|---|---|---|---|
| Model Number | Structure | Thickness (um) | Width (mm) | Length (M) | |
| PET/PE | PETG | 42~177 | 400~1250 | 1000~3000 | Plasma<br>Gamma |

# PCR-PE Film



PCR-PE Film incorporates recycled polyethylene to reduce virgin plastic use while supporting ESG goals and applicable environmental requirements.

## Features

- 30–35% Post-Consumer Recycled PE Content
- Supports Plastic Reduction and Circularity Goals
- Available for Medical Device Packaging



## Applications

- Medical Device Packaging
- Flexible Mono-Material Packaging
- Sustainable Packaging

## Specification

| Type | Structure | Thickness (um) | Width (mm) | Length | Color | Sterilization methods |
|---|---|---|---|---|---|---|
| PCR-PE Film | 30–35% PCR-PE / PE | 50, 80, 100 | 520~1100 | 50um-3000m/R<br>80um-2000m/R<br>100um-1500m/R | White | E.O<br>Plasma<br>Gamma |

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