

# Flexible Film & Medical Packaging

Spectrum is a custom, scalable extruder and converter of advanced flexible medical packaging for both sterile and non-sterile applications.



## Performance Films

**Monolayer Film**—Our monolayer films include a wide range of polyethylene grades including: LDPE, LLDPE and HDPE.

**Coextruded Film**—Our coextruded films are multilayer structures of various polyethylene resins used for linear tear films, abrasion- and puncture-resistant films, and peelable applications.

**Form, Fill & Seal Packaging**—Our high-performance, bottom-forming webs are designed to meet the most demanding sterile thermoforming applications. These webs provide excellent puncture, abrasion, and crack resistance with a wide forming and sealing window. A variety of bottom-forming webs are available, all of which are compatible with either coated or uncoated Tyvek® and Tyvek®. Our films also work well with medical grade papers and laminates. They offer superior microbial barrier and sterile integrity at point of use.

### Bottom-forming Webs

**Gauges**—3 mil–16 mil

#### Key Attributes

- Puncture resistant; allows for material reduction (downgauging)
- Comparable tensile properties to nylon
- Superior cornering > 1 mil thickness
- Produced with readily available raw materials
- Excellent clarity
- Wide forming window
- Seals to Coated Tyvek® Paper and Laminated Top Webs
- Our films are a very good option against Ionomer based films

## Sterile Packaging

**Peel Pouches**—With years of experience and service, Spectrum can meet all of your pouch needs. Our extensive range of peelable, tear-open, breathable and nonbreathable pouches provides you with maximum flexibility. We feature peel-pouches made with Tyvek® in all medical styles including 1073B, 1059B, and 2FS™. We've got you covered with DuPont™ Tyvek® which provides peace of mind to users through outstanding resistance to microbial penetration, and enables sustainable packaging design.

**Header Bags**—Our header bags feature strong linear low-density polyethylene (3mil and 4mil LLDPE) and coated DuPont™ Tyvek® headers.

**Lids**—For the maximum protection of your device, consider the advantages of your thermoformed tray with a Spectrum die-cut or square-cut lid. You'll protect your device and you can still gain breathability and ease of sterilization, that our coated Tyvek® affords. Our die-cut and square-cut lids feature CT1073 and CT1059 (coated DuPont™ Tyvek®) with coatings that seal to a variety of thermoform tray structures.

**All our products are available in a variety of sizes and can be printed up to four colors.**

Spectrum Plastics Group is an authorized converter of DuPont™ Tyvek®. Tyvek® is the leader in the industry providing a high level of confidence and assurance to medical device manufacturers. Tyvek® provides the highest level of protection for your most demanding applications.

**DU PONT**  
**Tyvek**®



## Converted Bags & Pouches

**Peel Pouches**—Easy to open, our peel pouches can be customized to meet your specific needs.

- Compatible with EtO, gamma, or steam sterilization
- Tear-resistant and puncture-resistant materials
- Reinforced, breathable webs that protect against pinholing and tearing
- Available in a variety of structures (Tyvek®, Paper, Film)

**Linear Tear Bags**—Our linear tear bags feature first-time clean and easy opening with no partial or off-center tearing or tearing into the product. These bags incorporate different tear-notch positions for streamlined functionality.

**Header Bags**—Excellent for component sets, bulky sets, trays, and sterile presentation. Header bags come in a choice of DuPont™ Tyvek® options for header configurations.

**Liner Bag**—Used for a variety of applications such as: bulk components, clean room bags, component transfer, and as dust covers. Liner bags can be sterilized, manufactured as ultra durable, thin, or a combination of both.

**FlexPak Bags**—FlexPak bags provide excellent clarity, easy opening, and superior graphic presentation for non-sterile and sterile fluid path applications. They also offer faster product loading and can be used with automated machines.

**Wicketed Bags**—We offer a range of wicketed bag sizes in either book-bound or wire-wicket packing. These bags are suitable for automated loading or are a great option for efficient packaging at individual work stations.

**Custom Bags**—Our products include biohazard, hamper liners, mayo stand covers, and case liner applications for both in-plant and postproduction product protection.

**PLEASANT PRAIRIE, WI**  
10101 78th Ave  
Pleasant Prairie, WI 53158  
(262) 947-0900

**NILES, IL**  
6153C West Mulford St.  
Niles, IL 60714  
(847) 966-6161

**HEREDIA, COSTA RICA**  
1500 Park Way  
Global Free Zone  
La Aurora, Heredia Costa Rica  
+506 2239 5959

**LANGLEY, BC**  
5975 206 St  
Langley City, BC  
V3A 8S5, Canada  
(604) 533-1066

**SAN DIEGO, CA**  
2189 Britannia Blvd.  
San Diego, CA 92154  
(508) 563-6437

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