

Flexible Film and Medical Packaging

DuPont™ 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 and 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:

- 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.

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.

