SPEAR PACK

packaging for life...

- Sterilization
- Adsorbents
- Packaging

To Know More Scan

CERTIFIED ISO 9001:2015

MEDICAL DEVICES ISO ISO 13485:2016 QUALITY MANAGEMENT

FDA

An unwavering commitment to provide products that exceed the expectations of our customers is at the heart of Spear pack's business. Accepting challenges and delivering solutions is our core philosophy. The demands of the pharmaceutical, medical devises, healthcare and hospitality industries for quality yet affordable sterile packaging are our primary focus. However, Active Packaging and Anti-Counterfeit innovations certainly form a few branches in our product offerings.

Value, quality, and reliability are top priorities at Spear Pack Pvt Ltd.

Our commitment is to ensure and enhance consistency to satisfy our customers by valuing what they value and by offering products and services which not only meet but exceed their expectations.

We foster a culture of maintaining and continually improving the effectiveness of our quality management systems by documenting, monitoring & reviewing it periodically.

We assure product safety & quality by complying with all applicable laws and regulations as per the statutory good manufacturing standards.

Class 100 (ISO Class 5) Clean Room, Integrated with LAF System for Converting of Sterilization Packaging

Welcome to Spear Pack

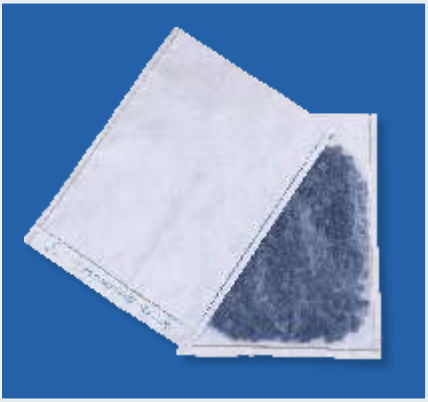
Spear Pack™ Established in 2011 based out of Hyderabad, India. We are one of the Specialty Sterile Packaging material manufacturers for Pharmaceutical, Medical Devices, and Hospital Segments . Our products are manufactured in a State of Art facility with Class 100 (ISO – 5), Clean Room integrated with LAF System. Clear thought, continuous & contiguous improvements, creativity and customer centric development process are imparted as core values to one and all at spear pack.

Our customers are in the business of saving lives - be it a pharmaceutical company or a medical devises manufacturer. We understand this, and we shall strive to meet our customer demands dot by dot.

Our passion to become the India's most trusted solution provider for the sterile packaging needs is only restricted by our commitment to environment and sustainability goals. We shall grow our business by growing and nurturing partnerships with our customers and suppliers alike, never compromising on our ethical standards.

We welcome all our partners-in-progress, and we value your feedback, even by a whisper. Welcome to Spearpack.

Inficlean® Bags (Tyvek® Bags)



Inficlean® bags are engineered in our ISO Class 5 Clean Room to fulfill the most stringent requirements in the sterilization process of critical components and have outstanding performance in terms of cleanliness, material and seal strength with high resistance to tear and puncture as well as microbial barrier properties. Inficlean® bags are compatible with a variety of sterilization methods, such as steam and ETO sterilization, and are made from breathable, medical grade Tyvek® and own in-house extruded medical-grade HDPE produced from certified virgin resins without the use of additives, in an ultra-clean environment. It is Ultra-pure, clean bag with low particle that generates low particle while opening bag equipped with Sterilization indicator switching colour when exposed to steam

Inficlean® Reels (Tyvek® Reels)

Spear Pack™ manufacture and supply a wide array of best quality Inficlean® reels that are processed and packed in our ISO Class 5 Clean room facility. It is made up of Tyvek® having outstanding strength, elasticity, durability, and tear resistance. These reels are perfectly suited for Steam / ETO / GAMA sterili- zations at your factory end. Process indicators for steam and ethylene oxide cleansing are connected on the paper surface of the reel and help to separate amongst processed and unprocessed packages. All the approaches are water based mostly and non toxic inks and provide apt and clear colour modification after the sterilization process that meet the requirements of ISO standard

Inficlean® Pouch (Tyvek® Pouch)

Spear Pack is one of the diversified pouch manufacturer and supplier with ISO Class 5 Clean Room pouch production environments. With the extensive offering of pouches, Spear Pack can satisfy all of your sterile packaging pouch requirements. Inficlean™ Pouches made from Tyvek® are used by medical device manufacturers for packaging a wide variety of terminally sterilized medical devices, specially the low-profile and lightweight medical devices. Inficlean™ Sterilization pouches are used in hospitals and various healthcare settings, such as out-patient surgical centres, for in-house sterilization of surgical instruments. Superior resistance to microbial infiltration, enabling the sterility of the contents of pouches till it is opened. Generates very few airborne particles unlike medical-grade papers that can release a significant number of particulates on the opening of the package. Compatibility with most commonly used sterilization methods, including ethylene oxide (EO), gamma, electron-beam, steam (under controlled conditions) and low-temperature oxidative sterilization processes. The clean peel of Inficlean™ minimizes the risk of introducing particulates into a clean environment

Inficlean® Bowl Bags (Tyvek® Bowl Bags)

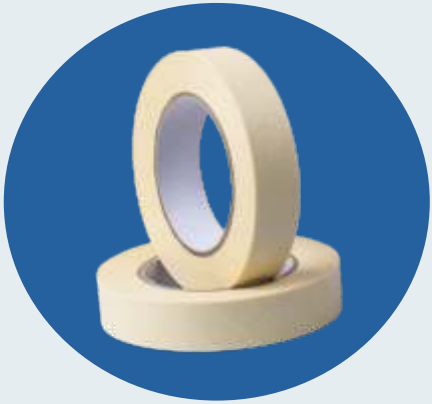
Inficlean® bowl bags provide a convenient, time-saving method of wrapping stopper bowls, flasks, beakers, containers, media bottles prior to sterilization. These bowl bags are autoclavable and promote excellent steam penetration and drying during sterilization. They can be used amid steam sterilization to reduce time- consuming wrapping of open holders. In addition, each bag can remain in place on the bowl during setup, which minimizes the possibility of contamination. Made from Tyvek® they are puncture resistant and extremely tough. Inficlean™ bowl bag incorporate auto clavable rubber elastic to provide a positive seal around all openings

Inficlean® PE Bags & Pouches

Spear Pack™ manufactures and supplies Pin hole free medical grade lowdensity polyethylene (LDPE) bags produced from In-house extrusion of LDPE film using certified and virgin resin without any additives Blown-film extrusion of LDPE film used for packaging of ready to use medical/surgical components like rubber stopper etc. to mitigate chemical and biological hazards when delivering a parenteral drug to a patient guaranteeing the low particle level and product integrity by the packaging. Comes with Flexibility in customized sizes and thickness, sub visible contaminant, low bio burden, endotoxin, leachable and extractable level

Inficlean® Indicator Tapes

Sterilization indicator tapes with a chemical indicator printed on one side is designed to distinguish processed and unprocessed items. The easy-to-use autoclave indicator tapes are for sealing packages before steam sterilization. After processing, the printing will change colour and provide a clear indication of the successful sterilization Cycle. Made of strong crepe-embossed paper with pressure-sensitive adhesive, the tape is ideal to secure different types of sterilization packs. Leaves no bleeding on the tape after sterilization. Easy to read colour change indicator. Available in multiple widths. Designed for universal application



Propap® Reels

Spear pack™ Propap® reels are made with 60 gsm medical grade papers sealed with PET/PP copolymer film and certified Medical grade paper offering users an effective microbial barrier while guaranteeing the effective flow of the sterilising agent and provide aseptic conditions during handling. Manufactured in our ISO Class 5 Clean Room coupled with stringent quality checks are carried out on all rolls to ensure sterilization performance and safety of packaged medical device. Sterilization with ethylene oxide, gamma, and steam processes possible. The special grade paper provide superior strength. Available in transparent tinted Blue, tinted Green or natural colours for easy viewing and possible instrument breaching

Propap® Pouch

Spear pack™ Propap® sterilization pouches prepared in our ultra-clean ISO Class 5 Clean Room combines a PET/PP copolymer film and a medical grade paper to provide breathability, sterile barrier, and indication of processing. Sterilization with ethylene oxide, gamma, and steam processes possible. Each pouch includes an external process indicator for steam and ethylene oxide (EO) gas sterilization. Tear-proof “shatter less” film, offers flexible packaging and easy opening that are incomparable for this type of packaging. Possess excellent peel off opening

Inficlean® Header Bags (Tyvek® Header Bags)

Spear Pack Header bags is manufactured in our state of art ISO Class 5 Clean Room with the help of Tyvek® and In-house extruded medical-grade LDPE. There are few medical devices and procedure kits that are packaged in film-film packages or foil pouches because they require a barrier to light, oxygen or moisture. These packaged medical devices and procedure kits cannot be sterilized with EO without the use of a header bag or breather patch made of a porous packaging material such as Tyvek®. In addition to enabling EO sterilization, headers made with Tyvek® possess a superior puncture resistance compared to headers made with medical-grade paper. Possess controlled peel ability, plastic-to-plastic easy opening peel seals. Package designed for ETO gas, radiation and e-beam sterilization

Inficlean® Self seal Pouches (Tyvek® Self seal Pouches)

With the extensive offering of pouches, Spear Pack also manufactures Inficlean® Self seal Pouches which are mostly used in Gas Plasma or EO Gas sterilizersin the ISO Class 5 Clean Room pouch production environments armed with breathable Tyvek® material, pouches provide superior barrier and strength for critical heat sensitive devices. The self-seal style includes a pre-folded bottom flap with an adhesive strip for convenience. Quick and secure closing of a pack without a heat sealer. Quick and secure closing of a pack without a heat sealer

Adsorbpak® Silica Gel Pouch

Adsorbpak® silica gel desiccant is made from amorphous silicate which is a hard, translucent material with an extremely high capacity for absorptionof moisture packed into non-tear able pouches with highest absorption capacity with controlled environment manufacturing and gives you double the lead time for your product to reach the final customer and keeps your product as dry and free-flowing as it was at the time of Packaging. Additionally, they are lightweight, flexible, smooth, low-linting, and are resistant to water, chemical abrasion, and aging.

Won't react with any material except alkali and hydrofluoric acid.These are non-tear able pouch which avoids silica gel mixing up with your products so double the rate of protection and safety. Packed in a breathable sachet or bag and are available in a wide range of sizes suitable for use with a wide range of applications

Adsorbpak® Molecular sieve pouch

Molecular sieve is the most aggressive of the primary desiccants and preferred choice for the most demanding and unique applications. Molecular sieves retain their ability to adsorb water molecules over a much wider spectrum of temperatures than other desiccant medias and much higher equilibrium capacity for water vapour under very low humidity conditions. A distinctive feature of this non-hazardous synthetic product is its ability to control the uniformity of pore size openings during the manufacturing process that yields selective adsorption characteristics which can be very useful drying packages without removing other desirable molecules such as volatile organics that might be present in the package. Molecular sieve can hold moisture to temperatures well past 450°F (230°C) and, because of its high affinity for moisture, can bring the relative humidity in packages down as low as 10%. Molecular sieve desiccants can give purer results

Imicant® Barrier Bag (Tyvek® Barrier Bag)

Spear Pack™ offers heavy-duty Imicant® barrier bags which contains Tyvek® , made from very fine, high-density polyethylene fibres, a revolutionary & a multi-faceted material that act as an effective solution for most of the protection related challenges by providing numerous benefits like it is vapour permeable but water, chemical, puncture, tear and tamper resistant. Its ultimate moisture shielding capacity can mitigate corrosion which develops due to the excessive exposure to moisture. By combining our protective materials with an outer layer of Tyvek®, it provides a protective packaging option that covers almost any eventuality. Its high puncture strength also makes it suitable for packing of sharp objects and also allows vacuum packing of IC trays, electronic boards etc. It comes with superior tensile strength properties and high temperature resistance

Inficlean® Laminated Aluminium Bag

Spear Pack™ develops superior quality triple laminated aluminium bags that are specially designed with multilayer laminate consisting of own in-house extruded low density polyethylene (LDPE), high-strength Polyester film and Aluminium foil which are widely used to keep packaging products safe from the damaging effects of, moisture, oxygen transmission, corrosion, physical damage, odour transfer, UV radiation, chemicals and comes with high temperature resistance. They are commonly used to package and transport pharmaceutical materials through all phases of drug manufacturing process. Corrosion is avoided by maintaining low humidity level. There is overall cost reduction by way of reduced desiccant/ preservatives, packing case cost and rejections due to corrosion and spoilage of packed products

Tyvek® Delivers trusted Protection

Tyvek®—the material ofchoice For Pharmaceutical applications

Made of high-density polyethylene (HDPE), Tyvek® has inherent advantages over other materials. Tyvek® is vapour permeable, yet water- and chemical-resistant. It offers an optimum balance of microbial penetration resistance, tear strength and puncture resistance and low-linting features.

Inherent barrier to microorganisms down to one micron

The unique structure of Tyvek®—tough, continuous fibres— creates a tortuous path with substantial lateral movement, resulting in superior microbial barrier properties. Even under the most rigorous conditions, Tyvek® is highly resistant to penetration by bacterial spores and other contaminating microorganisms.

Compatibility with a broad range of sterilization methods

Unlike medical-grade papers and films, Tyvek® is compatible with all of the most commonly used sterilization methods, including: ethylene oxide (EO), steam (under controlled conditions), gamma, and electron-beam and low-temperature oxidation. And, because Tyvek® is specially engineered to enable sterilant gases and steam to penetrate and escape quickly, it will retain its superior protective properties no matter which sterilization method you choose.

Low risk of Particle contamination- Low linting

Unlike paper, which can release a significant number of particulates when a package is opened, Tyvek® is known for its low linting and clean peel features. Low linting reduces the risk of contamination, helping you meet increasingly stringent industry and regulatory requirements. Particulate generation tests comparing Tyvek® to medical-grade papers provide conclusive evidence that Tyvek® generates far fewer airborne particulates that could contaminate either your product or the sterile field.

Significantly reduces risk of Package Failure

The tough, continuous fibres of Tyvek® help protect package integrity— even during rough handling. Tyvek® does not puncture easily and tears do not readily propagate if a package is nicked. What's more, because it is breathable, Tyvek® minimizes the formation of condensation, so it performs well in multiple environments—warm or cold storage and high altitude shipping

Helps you meet your environmental goal - Recyclable

Tyvek® is produced under verified environmental management policy according to ISO 14001. It can be recycled at local recycling facilities that accept HDPE waste according to local legislation. The items sent for recycling must not have been in contact with any hazardous substance

Very low bioburden

The process of manufacturing Tyvek® allows only short periods of time when the sheet is subject to airborne particulates and microbes; therefore, the bioburden on the surface of the Tyvek® is very low. And, unlike cellulose-based packaging, Tyvek® does not support the growth of microbes.

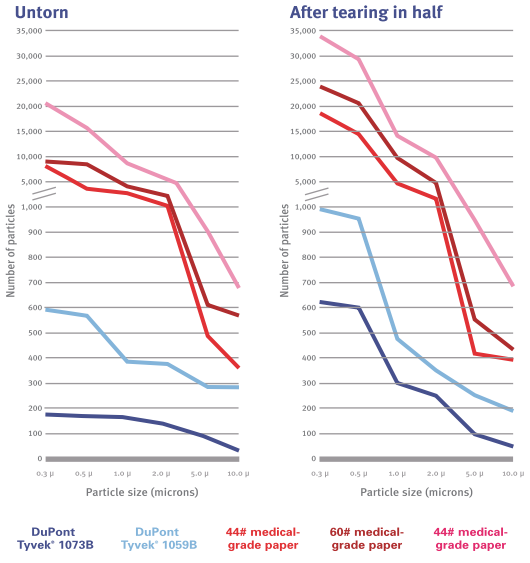


Figure 1. Particle generation properties of DuPont™ Tyvek® styles and medical-grade papers (as tested by an internal DuPont protocol).

For the particulate generation testing, samples (medical-grade papers, as well as Tyvek® 1073B and Tyvek® 1059B) were each tumbled in a tumbling drum to release particles from the tested materials. The drum was housed in a HEPA filter lab bench. The lab bench air was filtered with two pre-filters and one HEPA filter. Air was supplied by a blower with a pressure drop across the filters of 0.5 in. (1.3 cm) of water. Sampling of the number and size of the generated particles was done with a cleanroom monitor coupled to a paper tape printer. All of the equipment was housed in a temperature-controlled, HEPA-filtered-air cleanroom that had full air exchange approximately every minute. from the tested materials. The drum was housed in a HEPA filter lab bench. The lab bench air was filtered with two pre-filters and one HEPA filter. Air was supplied by a blower with a pressure drop across the filters of 0.5 in. (1.3 cm) of water. Sampling of the number and size of the generated particles was done with a cleanroom monitor coupled to a paper tape printer. All of the equipment was housed in a temperature-controlled, HEPA-filtered-air cleanroom that had full air exchange approximately every minute.

Courtesy : DuPont™

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