Foil Packaging Alternatives

Barrier Packaging - Film Laminations

High barrier packaging is necessary for the preservation and protection of various products that are sensitive to light, moisture, oxygen, and other gases.

Vonco Products has several film laminations that serve as effective foil alternatives for medical packaging, offering diverse properties to meet the specific requirements of different medical devices and pharmaceutical products. These film laminations can be used to produce a variety of pouches, bags, and rolls stock options that are well-suited for medical, diagnostic, pharmaceutical, food, electronics, personal care products and other sensitive applications. Our laminations feature strong weld sealing characteristics, are puncture resistant, provide extended shelf-life and can withstand sterilization, transport, storage, and use.

Featured Barrier Properties

- UV resistant
- Moisture resistant
- Oxygen resistant
- Chemical and odor resistant

Foil Packaging Features Available

- Polyethylene (PE) and Polypropylene (PP) Laminations: These materials are widely used for their exceptional flexibility and sealability. PE and PP laminations can provide moisture barrier properties essential for protecting medical products while also offering compatibility with sterilization methods such as gamma irradiation and ethylene oxide (EtO) gas.

- EVOH (Ethylene Vinyl Alcohol) Laminations: EVOH is known for its excellent oxygen barrier properties, making it suitable for packaging oxygen-sensitive medical devices and drugs. When used in laminations, EVOH contributes to enhanced shelf life and preservation of product efficacy.

- Nylon/PVDC (Polyvinylidene Chloride) Laminations: Nylon barrier laminations combined with PVDC coatings deliver exceptional moisture and gas barrier properties, crucial for protecting medical products. This combination is well-suited for packaging sensitive devices and drugs that require extended shelf life under controlled environmental conditions.

- PET (Polyethylene Terephthalate) Laminations: PET laminations are recognized for their clarity, strength, and resistance to chemical reactions, making them suitable for various medical packaging applications. PET laminations can also be enhanced with specific coatings or layers to meet moisture and gas barrier requirements.

These film laminations offer a spectrum of properties and functionalities, catering to the diverse needs of medical packaging while presenting sustainable and effective alternatives to traditional foil materials. By carefully selecting and customizing film laminations based on the specific demands of medical products, manufacturers can create packaging solutions that maintain product integrity, ensure sterility, and contribute to sustainability goals.