

Dwane Hahn  
Rollprint Packaging Products  
(512) 639-9293  
VP of Sales and Marketing

## PropaPeel® STM

**Addison, Illinois:** Rollprint Packaging Products Inc. is announcing the debut of PropaPeel® STM, a steam sterilizable composite that is engineered to seal and peel from uncoated Tyvek® without fiber-tear. PropaPeel® STM provides a more robust option for producing Tyvek® chevron pouches than the legacy products in the marketplace. To achieve this, Rollprint has created a multi-layer, heat stable composite of polyester and polypropylene copolymers. The end result is a steam sterilizable chevron pouch that maintains extraordinary durability and peel characteristics after the heat cycle.



*Chevron pouches made with PropaPeel® STM sealed to Tyvek®*

PropaPeel® STM is designed to meet cost reduction and environmental impact goals for a variety of commercial applications including medical devices and surgical tools. Steam sterilization is often preferred over traditional methods like ETO and gamma as steam provides a cost-efficient and safe way to sterilize the product in-house. Historically, a film that peels cleanly from Tyvek® and resists sticking to the product after the sterilization process has been difficult to source.

Rollprint has addressed these concerns through the extensive engineering of PropaPeel® STM. First, sticking of the product to the film is avoided by modifying and controlling the surface roughness and tension of the sealant layer while maintaining clarity. Secondly, the crystallinity and modulus of the sealant were designed to complement Tyvek, minimizing the stress on the non-woven fibers when peeled.

Dwane Hahn, VP of Sales and Marketing, expects PropaPeel® STM to reignite the conversation about using steam sterilization. The use of steam is widely considered to be the most cost-effective and environmentally friendly sterilization method. Mr. Hahn says, "Validation has commenced for several medical device applications."

### **PropaPeel® STM benefits include:**

- Fiber-free peels from Tyvek® after steam sterilization
- Seal strength doesn't change after sterilization
- Product contact layer resists sticking
- Ease of sealing with wide sealing window
- Physical properties are not impacted by steam sterilization
- Abrasion resistance is superior to standard PET/PE chevron pouches

**About Rollprint Packaging Products**

With manufacturing facilities near Chicago, IL, Rollprint Packaging Products, Inc. is a worldwide supplier of packaging materials for the healthcare and consumer industries. The company offers a complete range of flexible, heat-sealable materials incorporating film, ClearFoil<sup>®</sup>, foil, Tyvek<sup>®</sup> and paper. Structures can be designed to accommodate any sterilization method. Available in rollstock, pouches and die-cut lids, Rollprint's materials can meet the needs of most peelable, chemical resistant and barrier applications.

The company is a founder of Alliantz Flexible Packaging Pte. Ltd., a joint venture with Acme Packaging Co. (Pte) Ltd., Singapore. Headquartered in Singapore, Alliantz serves the flexible packaging supply needs of Southeast Asia and China.

Rollprint is respected throughout the packaging industry for its heat-sealable, peelable rollstock and pouch technology, as well as its ClearFoil<sup>®</sup> ultra-high barrier transparent laminates, Allegro<sup>®</sup> peelable sealants and ClearForm<sup>®</sup> forming webs. Rollprint has supplied flexible packaging materials for healthcare, industrial and food end-use applications for more than 50 years. For additional info: [www.rollprint.com](http://www.rollprint.com).

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