



### GOEX

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## Personally from the President

As we usher into the fall season, I am excited to share with you some of the activities happening at GOEX.

When it comes to quality and pricing, we make our decisions specifically based on customer needs. The food and beverage packaging market has seen significant growth in recent years and will remain in high demand for the foreseeable future. We've added new equipment and resources to support this growing market, and have developed products to accommodate our customers in the food industry.

Part of what makes us an industry-leading plastic extrusion company are our capabilities and how we serve our customers. That requires us to be able to connect well and bring focus to all of the industries we serve. For example, in the rigid medical packaging market, some customers wish to eliminate all animal by-products from their packaging. This request, coupled with broad development and extrusion capabilities provide a compelling case for validating a new GOEX product to meet this need. We now offer GLIDEX® PETG TF, an animal-free FDA and medical-grade material.

Regardless of uses for specific substrates, we tune into the multiple performance characteristics for each of our products and decide how they can be optimized for each market. For example, one of the most desirable plastic substrates is polypropylene. It is light weight, tough, easy to form, and economical. Specific to the print industry, one of the challenges many extruders have when processing polypropylene is creating a flat, smooth sheet. GOEX has overcome this challenge and offers polypropylene for the flat-sheet print market with excellent side-to-side surface finish consistency. Sheet stock polypropylene is available in .015" to .030" gauge and sheet sizes ranging from 20x20" to 60x120".

You can learn more about our product portfolio by visiting our website [www.GOEX.com](http://www.GOEX.com).



Regards,

Joshua D. Gray  
President & CEO,  
GOEX Corporation



## GOEX Food-Grade Plastic

GOEX offers a variety of substrates for use in food packaging and foodservice product applications. From disposable dinnerware to takeout containers, our industry-leading extruded plastic sheet is manufactured with the diligence and care expected for functional and protective food packaging.

Inspired by the market and today's food trends, our product offering includes many benefits and characteristics that are important to our customers and consumers.

**Contact us to find out more about how you can partner with us to produce industry-leading functional, safe, and sustainable food and foodservice packaging.**

### DID YOU KNOW?

- According to multiple sources, paper and plastic foodservice packaging discarded in the municipal solid waste stream accounts for less than THREE percent.
- Every study commissioned by FPI in the last 10 years has shown that reusable cups, plates, cutlery, trays, etc. had higher than acceptable bacterial counts – and far less than their single-use counterparts.
- Technological advances and packaging redesigns allow manufacturers to produce lighter, stronger, and more compact foodservice packaging, using less raw materials than their original design.

*Source: Foodservice Packaging Institute: <http://www.fpi.org/>*

## GLIDEX® PETG TF Accommodates the Medical Plastics Industry



We are pleased to offer tallow free medical-grade plastic to our product portfolio. GLIDEX® PETG TF is a tallow free product offering the same characteristics of GLIDEX® PETG but is produced without the bovine-derived ingredients.

### WHAT IS TALLOW?

Tallow is a hard, fatty substance rendered from animals, and is commonly used as a lubricant in the plastic manufacturing process. In recent years, global healthcare and regulatory agencies have had concerns about contamination from bovine spongiform encephalopathy (BSE), a neurological

disorder of cattle that can be transmitted to humans. Some customers wish to eliminate all animal by-products and are requiring animal-free materials to eliminate unnecessary risk as well as meeting regulatory documentation. The GOEX extrusion process allows us to achieve temperatures that eliminate the risk of BSE.

# Training Matters

At GOEX, we strive to build a culture of high performers. Employee training begins on the first day of employment and is continuous throughout careers with the company.

We remain agile and anticipate necessary changes in technology and equipment so that we can provide our customers with the most innovative and streamlined solutions. Our employees are trained on new equipment but need to adapt to the changes made to existing equipment as well.

Our training programs use a collaborative approach. When new

equipment enters the facility, it's an 'all hands on deck' approach. Each department provides valuable input to ensure equipment is set up properly and safely. When enhancements to equipment or processes are made, employees are immediately re-trained.

We use varied training approaches to provide targeted training to keep our teams engaged. In many instances, we have had success with managers and peers providing training by the 'learning by doing' method. We also utilize our suppliers to provide material specific training, OEM materials, off-site

*"Proper employee training is at the forefront of our operations.*

*Employees are provided with the tools and knowledge they need to perform their job at their highest level of proficiency. We look for ways to provide relevant and meaningful training."*

Mark Symons  
Corporate Trainer • GOEX Corporation

specialized training, written SOPs and targeted work instructions. Our internal Learning Management System allows us to launch targeted training to individuals who have varied training requirements. This program automates and monitors requirements, and easily tracks learner progress and performance.

"Proper employee training is at the forefront of our operations. Employees are provided with the tools and knowledge they need to perform their job at their highest level of proficiency. We look for ways to provide relevant and meaningful training", said Mark Symons, Corporate Trainer at GOEX.



Our training programs use a collaborative approach. When new equipment enters the facility, it's an 'all hands on deck' approach.

## Quality Products Begin with High Quality Testing Equipment

GOEX uses a variety of equipment to measure and test critical properties and characteristics of the plastics we produce. In many industries, the color and clarity of plastic is an important requirement of our customers. We use state-of-the-art color measurement systems to precisely quantify and define color.

GOEX uses a spectrophotometer to quantify the color of a plastic sample. A spectrophotometer is a piece of equipment that emits light energy through or against a plastic sample. The energy bounces the emitted light into a spherical chamber, and as the light bounces through the chamber, portions of the light will hit a detector (based on the wavelength or color of the light). The detector will identify the wavelength and create data to describe the color numerically. The spectrophotometer also detects the amount of light energy that hits the detector and will identify the clarity and/or haze of a clear or tinted sample.

Color consistency and accuracy is important to GOEX and our customers. Using the spectrophotometer to establish standards (color aim points) and tolerances (allowed variations from the aim-points) for each color allows GOEX to monitor the color in real-time to ensure repeatable and consistent results for customers, and improved efficiency and reduced waste for GOEX.



# GOEX Polypropylene for the Flat-Sheet Print Market

Regardless of print method used, it's a given that printers need plastic substrates that lay flat. Waves, warps or wrinkles in any substrate can result in everything from an unsatisfactory print image to costly equipment damage and downtime. Reprints, repairs and/or production delays are not the desired outcome for any plastic sheet supplier, printer or end customer.

Polypropylene is one of the most popular and attractive plastic substrates in the world. Its physical and mechanical properties, along with being readily recyclable almost everywhere, make it a go-to choice for a growing variety of printed and formed products. However, specific to the sheet print industry, polypropylene is considered a difficult material to use because extruders struggle to make their sheets flat – GOEX has found a solution.



GOEX polypropylene is now available to the flat-sheet print market. Our CONTOUR® products can be tailored to meet varying performance characteristics such as rigidity, toughness, tear-resistance, high heat-resistance and more. Available in

natural, ultra-clear, white or custom colors, we extrude high-quality flat sheets with excellent side-to-side surface finish consistency in sheet sizes up to 60" x 120".

**Contact us to learn more!**



**SGIA**  
**EXPO**

2017 • Exhibitor

## We're Exhibiting at 2017 SGIA Expo

We are exhibiting at the SGIA Expo in New Orleans, October 10th -12th. This is the premiere show of all things imaging, hosting some of the biggest names in graphics, printed electronics, signs, industrial, packaging, and commercial printing. GOEX specializes in plastics for the graphic arts industry, offer a variety of products for creating durable and unique signage and collateral for all of your print on plastic needs. If you're heading to New Orleans, come visit us at booth #611.

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### Production Notes

Stock: GOEX CAROM® 45 PVC with Eco-One™