

PLA FOAM NEWSLETTER

JANUARY 2009

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Contact Us

Visit our website at www.turboscrews.com

Email us at Bill.Fogarty@turboscrews.com

Did You Know?

It is estimated that conventional plastic packaging uses an estimated 200,000 barrels of oil a day in the United States!

HAPPY NEW YEAR 2009!



First of all, we at Plastic Engineering Associates Licensing, Inc. would like to wish everyone a very heartfelt Happy New Year 2009! We wish you all the best not only this year but in the years to come as well and special thanks to everyone that has contributed to our company's continued success in the marketplace.



Significant News - 2009

During the last quarter of 2008, the technical team from Plastic Engineering Associates Licensing, Inc. (PEAL) conducted further NatureWorks Ingeo® biopolymer foam trials. These trials were undertaken for the purpose of further increasing the already impressive throughput rate achieved on 4.5" x 6.0" tandem extrusion systems. An ancillary issue during the trials was the need to determine whether or not the Turbo-Screws® technology feed screws for Ingeo® biopolymers would run both Ingeo® biopolymer foam and polystyrene foam at high throughput rates on a 4.5" x 6.0" tandem extrusion system.

We are pleased to report that as a result of these trials, PEAL's technical team has increased the throughput rate for Ingeo® biopolymer extruded foam by an impressive 40% on the 4.5" x 6.0" tandem extrusion system.

Further, we are also pleased to report that the Turbo-Screws® technology feed screws are in fact capable of producing both Ingeo® biopolymer foam and polystyrene foam at high throughput rates on 4.5" x 6.0" tandem extrusion systems.

We expect further and significant throughput rate increases as the Turbo-Screws® technology continues to advance the state of the art of Ingeo® biopolymer foam extrusion.

As regular readers of this newsletter know, Turbo-Screws® technology for Ingeo® biopolymer foam extrusion is commercially operating and is available & ready for you today.

PEAL is a preferred equipment supplier to NatureWorks LLC and Turbo-Screws® technology has been recognized by NatureWorks as the preferred technology for foam extrusion of NatureWorks' Ingeo® biopolymers.

PEAL continues to deliver the most advanced foam extrusion screw & process technology in the world. A cornerstone of our R&D efforts in our Turbo-Screws® technology foam feed screws specifically developed for NatureWorks' Ingeo® biopolymers.

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Did You Know?

Wal-Mart, the world's largest retailer, plans to use 114,000,000 PLA containers a year, which company executives estimates will save 800,000 barrels of oil annually.

Plastic Engineering Associates Licensing, Inc.

2300 NW Corporate Blvd., Ste. 111

Boca Raton, FL 33431

Phone (561) 998 4140

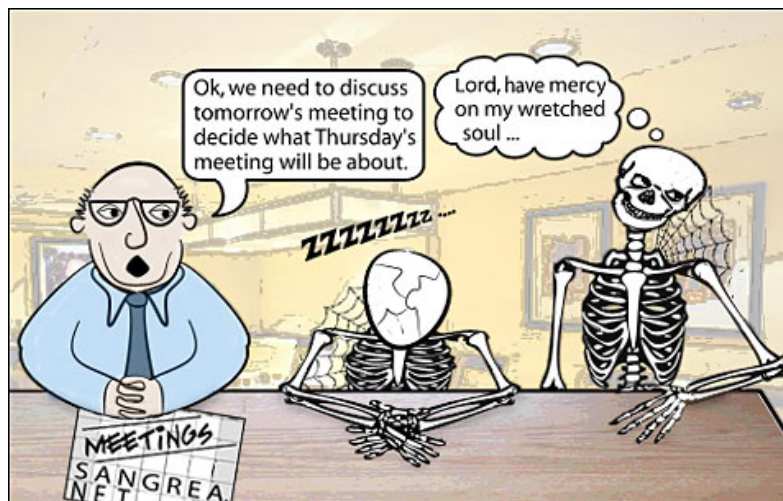
Fax (561) 998 5535

www.turboscrews.com



50,000,000 Lbs. of Market Demand!

Ron Barnett of *USA Today* reported December 26, 2008 that "...Research by NatureWorks, a subsidiary of agribusiness giant Cargill and Teijin of Japan, indicates a future market demand of up to 50 billion pounds a year within two to five years. That would represent about a 10% share of the global plastics market." What share of the bioplastics market will your company have in the next two to five years?



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