

Engel Lightweight Technology Cell Goes Operational at TU Chemnitz

The Chair of Lightweight Structures and Plastics Processing at the Technical University of Chemnitz in Germany is taking a new approach to combining process technologies in the manufacturing of fibre-compound structural components. Engel Austria supplied the matching turnkey production cell. At the end of January, the new Engel lightweight technology cell was inaugurated with representatives from industry and science in attendance in Chemnitz.

The use of thermoplastic fibre composite prepreps such as organic sheets is becoming increasingly important in lightweight automobile

construction. The aim of current research is to develop processes that support economic viable processing of this fairly young class of materials, thus achieving large series capability.

Engel

Tel: +43 50 620-0
Email: sales@engel.at
Web: www.engelglobal.com



Claus Wilde of Engel (left), and Professor Lothar Kroll of TU Chemnitz start up the new lightweight technology cell.

Dyna-Purge Announces New and Improved Dyna-Purge M for Significantly Less Scrap and Faster Purging Times

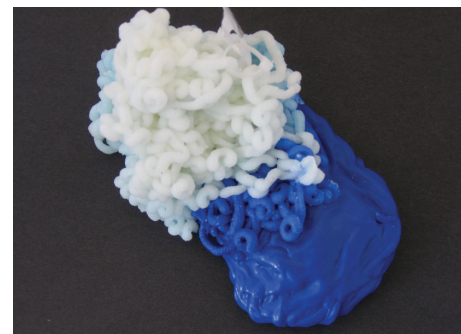
The Dyna-Purge Division of Shuman Plastics, has introduced the company's latest technology breakthrough — new and improved Dyna-Purge M, a versatile, non-abrasive, non-chemical engineered thermoplastic purging compound, formulated to flow naturally through the barrel and hot runner system of the injection moulding machine, as well as the extrusion equipment. The new purging compound features enhanced cleaning power with two non-melting but softening ingredients that scrub, while a proprietary additive helps to remove contamination without leaving a residue.

New Dyna-Purge M was developed as part of the company's continuous product innovation program and offers considerable savings over original Dyna-Purge M as well as other purging products.

According to Nancy Mitchell, Dyna-Purge Technical Product Manager, the enhanced formulation of new and improved Dyna-Purge M is proven to reduce material and scrap by up to 64% and lower purging time by up to 90% versus competitive purging products.

"An independent study on new and improved Dyna-Purge M demonstrates that it cleans faster and reduces scrap and reject rates, while only a small amount of the compound is required," she explained. "We have taken the leading purging compound used in plastics processing — original Dyna-Purge M — and made it even better to help our customers further increase the efficiency of their operations."

The Dyna-Purge division of Shuman



Plastics, Inc. commissioned The Institute of Polymer Science and Polymer Engineering at The University of Akron to conduct an extensive independent study of new and improved Dyna-Purge M in January 2011. The study compared the new and improved purging compound to the original version, as well as to other common purging products used in the market. These included in-house resin (HDPE), mechanical (abrasive), chemical, and chemical/mechanical (hybrid) compounds. In each trial, new and improved Dyna-Purge M resulted in significantly less time and material. A copy of the independent study with complete results and trial protocol is available by visiting www.dynapurge.com.

Dyna-Purge is sold in the UK and Ireland through its stocking Technical Distributor CJP Sales Ltd.

Dyna-Purge is a Registered and Trade Marked product of Shuman Plastics Inc.

CJP Sales

Tel: +44 1656 644907
Email: sales@cjpsales.co.uk
Web: www.cjpsales.co.uk



Plastrubution Creates Packaging Films Division

UK plastics distributor Plastrubution has created a new business division to focus on its growing range of exclusive film products for the UK packaging market. These currently include heat shrinkable films from Bonset America Corporation, Sanzip re-closable zippers from C I Kasei (Japan) and tie resins from Mitsubishi Chemicals Europe. The company also supplies a range of packaging products from Polyram (Israel), including tie resins, impact modifiers and coupling Agents. Plastrubution is the country's leading polymer distributor according to published industry figures and winner of the 2010 Plastics Industry Award.

"It is our ambition to continually develop our films division to service the needs of the UK conversion and packaging market with specialist quality materials," explains Alan Moules, commercial director at Plastrubution.

Sanzip re-closable zippers, from C.I. Kasei Co., Ltd., are highly regarded for their quality and compatibility with pouch-making and form/fill/seal machines. With more than 100 grades available for a variety of applications from foodstuffs to medical products, the Sanzip range, which is available solely from Plastrubution in the UK, combines high production efficiency with easy to open and close features and strong internal holding forces.

Three popular types of Bonset heat shrinkable films (PVC, PETG and OPS) are available from Plastrubution in a variety of grades for use in full-body and tamper-evident neckband applications. Attributes include impact resistance and low temperature toughness, reduced contour shrinkage, enhanced UV light resistance for UV-sensitive contents and excellent printability. Plastrubution is the sole UK distributor of shrink PVC, PETG and OPS films from Bonset America Corporation.

Plastrubution

Tel: +44 1480 308500
Email: filmsales@plastrubution.co.uk
Web: www.plastrubution.co.uk



Features

SPECIAL FOCUS ARTICLES

Colorants & Masterbatch

PAGES 4 - 5

BUYERS' GUIDE

Grinders & Granulators

PAGE 24

BUYERS' GUIDE

Welding Equipment

PAGE 29

SHOW PREVIEW

Medtec UK & Medtec Stuttgart

PAGE 25

SHOW PREVIEW

Advanced Functional Printing

PAGE 36

SPOTLIGHT

Automotives

PAGES 20 - 21

SPOTLIGHT

Testing Equipment

PAGES 22 - 23

SPOTLIGHT

Recycling Equipment

PAGES 26

ENVIRONMENTAL NEWS

The Green Room

PAGE 30

ARTICLE

Styron

PAGE 28

NEW!!

Appointments

PAGE 37

Regulars

Products, Services and Equipment

PAGES 4 - 19

Web Update

PAGES 24

Materials Review

PAGES 32 - 33

Industry News

PAGES 34 - 35

EPPM Classifieds

PAGES 38 - 39

www.eppm.com

