DuPont™ Surlyn® as a Seal Layer Enables Productivity Increases During Filling of Resealable Tubular Bags

Multipeel™ Flow Wrap, an innovative multilayer coextrusion film for resealable tubular bags by German packaging specialists, Südpack, uses DuPont™ Surlyn® as a sealant for its ability to seal at very low temperatures and the very high sealing quality.

NEU-ISENBURG, Germany (PRWEB) May 24, 2011 -- Multipeel™ Flow Wrap, an innovative multilayer coextrusion film for resealable tubular bags, is the result of a two-year-long joint development project between the packaging specialists, Südpack (Ochsenhausen, Germany), and the polymer producer, DuPont Packaging & Industrial Polymers (DuPont). Südpack uses DuPont™ Surlyn® as a sealant, which is characterized by its ability to seal at very low temperatures and the very high sealing quality.

“The ability to seal both quickly and reliably is a basic requirement for our customers’ highly efficient, horizontal and vertical form, fill and seal (HFFS and VFFS) product lines,” explains Carolin Grimbacher, managing shareholder at Südpack. “This particular Surlyn® grade, jointly specified with DuPont, provides several benefits in this regard when compared with other sealants. First, thanks to its low minimum seal temperature, less heat energy is required. Second, Surlyn® seals reliably over a very wide temperature range, and its hot tack strength is very high. This widens the tolerance range within, which reliably tight seals can be created, meaning that packaging lines can be run at considerably higher speeds than with many other sealants. Moreover, users benefit from a further reduction in production waste and, as is the case for end consumers, from securely sealed packaging that reliably preserves its contents in the long term.”

Interacting with other components of the multilayer structure, Surlyn® also supports the controlled burst-peeI behavior of Südpack’s Multipeel™ Flow Wrap in terms of its low initial opening force, its clean tear propagation and its maintained resealability – all important sales propositions not just for single and small households. Examples of typical applications include small-piece products such as sweets, nuts, snacks and cheese-cubes, which should not dry up after opening. Grimbacher adds: “Our core competency lies in coextrusion. We even extrude our Multipeel™ seal layer ourselves. This gives us the freedom to constantly enhance the material.”

Numerous grades from the comprehensive range of Surlyn® packaging resins are available for use as a food contact or seal layer in flexible packaging. Depending on the grade selected, they are suitable for use in the highly efficient blown film or extrusion coating processes.

Julia Mayer, marketing manager at Südpack, talks about how the company delivers cost efficient, convenient and innovative packaging solutions in this YouTube video.

The Südpack packaging group (www.suedpack.com) is based in Ochsenhausen, Baden-Württemberg, Germany. The family-owned business was founded in 1964 by Alfred Remmele and now has a total of 22 sales offices and sites. Production focuses on flexible plastic laminates, vacuum bags and rigid films. Flexographic and photogravure printing methods are used. The Group employs some 950 people. DuPont Packaging & Industrial Polymers manufactures an extensive mix of adhesive, barrier, peelable lidding and sealant resins and provides a globally networked development team to work with customers on packaging programs that help protect the product, environment, improve shelf appeal, convenience and reduce cost in the food, cosmetics, medical products and other consumer goods and industrial packaging industries.
DuPont (www.dupont.com) is a science-based products and services company. Founded in 1802, DuPont puts science to work by creating sustainable solutions essential to a better, safer, healthier life for people everywhere. Operating in more than 90 countries, DuPont offers a wide range of innovative products and services for markets including agriculture and food; building and construction; communications; and transportation.

Multipeel™ is a trademark of SÜDPACK Verpackungen GmbH & Co. KG

The DuPont Oval Logo, DuPont™, The miracles of science™ and Surlyn® are registered trademarks or trademarks of DuPont or its affiliates.


###
Contact Information
Carole Davies
DuPont
248-583-8112

Online Web 2.0 Version
You can read the online version of this press release here.