



DuPont Demonstrates Sustainability at Interpack 08

Düsseldorf, April 2008. The focal point of the DuPont exhibit at Interpack 2008 is the company's multi-faceted offering of sustainable materials for the packaging industry. These include proprietary, renewably-sourced resins for packaging applications, two of which, DuPont™ Biomax® TPS and Biomax® PTT, are launched at the show. Other elements of the display include new DuPont™ Appeel® AF for added lidding transparency; the use of DuPont™ Surlyn® super stiff resins to match strength and performance in downgauged packaging film; the use of DuPont™ Fusabond® compatibilisers to enable the reuse of mixed plastic waste streams and multi-layer structure waste; and the company's range of products and services to keep packaged foods fresh, pure and good tasting.

New sustainable offering

Sustainable solutions from DuPont involve an innovative and holistic approach to reducing, removing and recycling packaging, as well as the development and introduction of renewable resins and modifiers. New Biomax® TPS, based on technology from DuPont's alliance partner Plantic Technologies Limited, is a renewably-sourced thermoplastic starch for packaging applications. The offering consists of sheet stock that contains 85-90 percent renewably sourced content for thermoformed trays and articles, and resins for injection-molded parts and containers. New Biomax® PTT (PolyTrimethylTerephthalate) contains up to 35 percent renewably-sourced content for packaging applications. It is especially suitable for use in injection-moulded containers, cosmetic packaging and other parts where polyesters are used.

The new products support the company's strategy for creating high performance packaging polymers with a renewable content of at least 20 percent as verified by ASTM carbon dating. They are designed to either meet or exceed the performance of equivalent petroleum-derived products and add to the growing DuPont suite of sustainable materials for the packaging industry. "Our solutions offer brand owners and retailers the opportunity to replace traditional petroleum-based plastics with renewably sourced plastics, therefore reducing the burden on the earth's natural resources," comments Shanna Moore, DuPont Packaging & Industrial Polymers.

Enhanced lidding clarity

New Appeel® AF lidding sealant resins carry an active anti-fogging agent that can be applied to a wide-range of peelable and non-peelable sealant films for products such as fresh produce and microwave meals. Anti-fog enhances the overall clarity of lidding, and allows the consumer to have a window into a product, which helps curb concerns over freshness of refrigerated and single serving products. Appeel® lidding sealant resins are designed to provide controlled adhesion to various container substrates, and can be combined with a variety of other films and resins to create an easy peel lidding structure that will resist tearing upon removal of the lid.

New transport packaging concept

A further technology launch at Interpack 2008 is the new generation of Airliner®, an insulative, inflatable shipping-case liner, and the result of a joint development agreement between DuPont and French company Coldpack. It provides an alternative to conventional insulation materials, such as expanded polystyrene (EPS), for temperature-controlled shipping of perishable goods. Using a number of DuPont packaging resins for its patented internal heat-barrier technology, Airliner® provides high-level thermal performances, at reduced shipping and handling costs and with a reduced impact on the environment.

The Science of Fresh

Now more than ever, consumers expect safer, fresher tasting and more convenient foods, while food and beverage industry leaders are demanding ever-greater innovations in packaging technology that deliver on the promise of freshness. Through research and technological innovation, DuPont is constantly finding new ways to help make sure packaged foods stay fresh, pure and good tasting. As

illustrated at Interpack 2008, DuPont offers a complete line of high-performance polymers and additives to meet a wide range of packaging needs: From the strength, clarity and anti-leak performance of Surlyn[®], to the high performance broad temperature range adhesion of DuPont Bynel[®] and the easy peeling, hermetic seals of Appeel[®].

DuPont Packaging and Industrial Polymers is a world-class manufacturer of high-performance resins and films for a variety of packaging and industrial applications. Its best known ethylene copolymer products include Surlyn[®] resins for packaging and industrial applications, Bynel[®] coextrudable adhesives, Selar[®] PA amorphous polyamide barrier resins, Nucrel[®] acid copolymers, Elvax[®] EVA copolymers, Elvaloy[®], Elvaloy AC[®], Entira(TM) and Fusabond[®] modifiers.

DuPont 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 70 countries, DuPont offers a wide range of innovative products and services for markets including agriculture and food; building and construction; communications; and transportation.

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Airliner[®] is a registered trademark of Coldpack.

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