



8040 Dixie Highway  
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[www.topas-us.com](http://www.topas-us.com)

**For Immediate Release**

## **New TOPAS<sup>®</sup> COC Injection Molding Grade Delivers Purity, Processability, and Heat Resistance**

*Metallocene Technology Brings Wider Processing Window for Injection, Injection-Blow, and Stretch-Blow Applications*

**FRANKFURT, Germany, October 20, 2010** – TOPAS Advanced Polymers has introduced new resin technology for TOPAS<sup>®</sup> cyclic olefin copolymer (COC) offering improved processability, high purity, and high heat resistance for applications in the medical and food industries. TOPAS<sup>®</sup> 6013M-07, the first grade to employ the new technology, provides a wide injection molding processing window and doesn't require the use of an external lubricant for injection blow molding (IBM) and injection stretch-blow molding (ISBM) applications. The material is also being considered for extrusion blow molding (EBM). The new resin will be featured at K2010 (Hall 8A Booth C28), the 18th International Trade Fair Plastics + Rubber, Oct. 27-Nov. 3, in Düsseldorf, Germany.

Advancements in the company's metallocene catalyst technology have enabled the development of a new injection molding and blow molding material which delivers enhanced processing and superior aesthetics, according to Dr. Matthias Bruch, R&D Director for TOPAS Advanced Polymers. "This technology sets a new standard for processing and performance while maintaining TOPAS' traditional purity and thermal properties without lubricant additives," said Bruch.

TOPAS<sup>®</sup> 6013M-07 offers a heat distortion temperature (HDT) of 130°C and excellent clarity for demanding monolayer and multilayer barrier bottles for the medical and food industries along with non-barrier uses such as baby bottles. The new material is expected to be suitable with all standard



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methods of sterilization including gamma, EtO, steam, and hydrogen peroxide. It also has the potential to meet the temperature demands of microwave use.

The new grade complies with USP Class VI requirements for medical use, ISO 10993 for biocompatibility, and U.S. FDA food-contact regulations. Commercial quantities have been produced at TOPAS Advanced Polymers' plant in Oberhausen, Germany, and product is currently available worldwide.

#### **About TOPAS Advanced Polymers**

TOPAS Advanced Polymers manufactures and markets TOPAS<sup>®</sup> cyclic olefin copolymers (COC) for advanced packaging, healthcare, optical, and other applications worldwide. It also supplies the chemical raw material norbornene. The company is a joint venture of Daicel Chemical Industries Ltd., and Polyplastics Co., Ltd. Headquartered in Frankfurt, Germany, it has a U.S. subsidiary in Florence, Ky., and operates a 30,000-metric ton/year COC plant, the world's largest, in Oberhausen, Germany. For more information, visit [www.topas.com](http://www.topas.com).

**TOPAS<sup>®</sup> is a registered trademark of TOPAS Advanced Polymers for its family of cyclic olefin copolymer resins.**

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