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TOPAS® COC is Commercial Alternative to Barex

Packaging Companies Adopt COC for Broad Range of Applications Including Pharmaceuticals

FLORENCE, Ky., November 18, 2015 – TOPAS® cyclic olefin copolymer from TOPAS Advanced Polymers has been identified as a successful alternative to Barex® polyacrylonitrile (PAN) in the wake of the **announced** closure of Ineos' lone Barex plant in Lima, Ohio. Working closely with top packaging suppliers, TOPAS has specified COC in a wide range of pharmaceutical packages such as medicinal pouches and patches and other applications that require strong chemical resistance.

"We're pleased to announce that our industry-leading COC is filling the needs of many healthcare suppliers who seek a **replacement for Barex®** materials," said Timothy Kneale, president of TOPAS Advanced Polymers, Inc. "PAN and COC come from the opposite ends of the polymer spectrum but they offer similar properties when it comes to barrier/permeation performance and strong chemical resistance."

The pharmaceutical packaging industry is already familiar with COC through its use in semi-rigid and container applications, according to Kneale. While not a 1-for-1 replacement for PAN, COC delivers effective chemical resistance and low adsorption rates, exhibiting low reactivity with medical-grade chemical contents such as nicotine for patches. For example, COC's resistance to methyl salicylate is similar to PAN and better than PETG. COC's adsorption of nicotine is less than that of PETG and ethylene vinyl alcohol (EVOH). TOPAS' converter customers have developed innovative nicotine patch packaging solutions utilizing COC for the transdermal industry.

COC is known for its high purity and excellent heat sealing behavior, and comes with broad global regulatory compliance for food contact and medical uses. Unlike PAN, TOPAS COC can be melt processed by all common thermoplastic processing methods including mono and multi-layer film, sheet, and extrusion coating, along with injection and extrusion blow molding.

TOPAS COC is a key component in a broad range of global Barex® replacement products from leading healthcare packaging companies including **Bemis Healthcare Packaging**, Oshkosh, Wis., **Rollprint Packaging**

Huhtamaki EX1017

Products, Addison, Ill., **Tekni-Films Division** of Tekni-Plex, Inc., Wayne, Pa, and other suppliers.

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ABOUT TOPAS ADVANCED POLYMERS:

TOPAS Advanced Polymers is the world's leading maker of cyclic olefin copolymer (COC), a glass-clear and incredibly pure plastic for healthcare, optics, packaging, and electronics applications. From insulin delivery, to food contact films, to tablet and smartphone displays, TOPAS COC is the high-performance material of choice. The broad global regulatory compliance of TOPAS COC can make your next development a simpler task. Learn more at topas.com.

Barex® is a registered trademark of INEOS Capital Limited.

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About TOPAS Advanced Polymers and Polyplastics

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TOPAS Advanced Polymers is a business of Polyplastics Co., Ltd., a global leader in the development and production of engineering thermoplastic solutions. Along with COC, the company's broad product portfolio includes POM, PPS, PBT, and LCP plastics. The company has the largest global market share of POM, LCP and COC. With more than 50 years of experience, the company is backed by a strong global network of R&D, production, and sales resources capable of creating advanced solutions for an ever-changing global marketplace.

TOPAS® is a registered trademark of TOPAS Advanced Polymers GmbH in Germany, the United States, and other countries for its family of cyclic olefin copolymer resins.

BROCHURES

Company & Product Brochure

English, PDF, 1.52 MB

COMPANY

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TOPAS Advanced Polymers has updated its Privacy Policy for compliance with the EU's data privacy law, the General Data Protection Regulation (GDPR). We encourage you to take the time to review our revised Privacy Policy. By continuing to use the TOPAS.com website, you acknowledge our updated Privacy Policy and agree to our updates.

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