

Denka to Exhibit Newly Developed Eco-Friendly Products at FABEX to Showcase New Solutions Underpinned by the Group's Total Capabilities

Denka Polymer Co., Ltd. (headquarters: Koto-ku, Tokyo; president: Shizuho Tanaka), a subsidiary of Denka Company Limited (headquarters: Chuo-ku, Tokyo; president: Manabu Yamamoto; hereinafter “Denka”), will exhibit functional food containers incorporating novel materials at the World Food And Beverage Great Expo (FABEX) 2019—one of Japan’s largest food, equipment, and container industry exhibitions. The event will be held from April 17 (Wed.) to the 19th (Fri.) at Tokyo Big Sight (West Hall 1, Booth No. 1P-46).

The Denka Group is endeavoring to develop new products and technologies aimed at achieving the Sustainable Development Goals (SDGs). Leveraging the Group’s entire technical and developmental capabilities, from its synthetic resin materials to Denka Polymer’s processing and molding technologies, we will offer new solutions that encourage the efficient use of plastics, helping reduce their impact on the global environment.

1. Food Containers Made by Processing and Molding the Newly Developed Bioplastic PLAPS

PLAPS is the first bioplastic combining polylactic acid (PLA)* and polystyrene (PS). It was developed by the Denka Group company Toyo Styrene Co., Ltd. (headquarters: Minato-ku, Tokyo; president: Sanshiro Matsushita). With PLA accounting for over 25% of this material’s content, we can now offer food containers that help reduce the amount of plastic in use derived from petroleum. In addition, it can be used for a wide range of applications due to its excellent resistance to heat, oil, and chemical degradation.

*A plastic material derived from starch and other plant products



2. Food Container CLEALEAD Made by Processing and Molding High-Strength BOPS

CLEALEAD is a newly developed container incorporating high-strength biaxially oriented polystyrene sheet (BOPS), which was developed by Denka. The new container is 5% lighter than one made entirely out of BOPS and 35% lighter than one made with amorphous polyethylene terephthalate (A-PET). This new product therefore helps reduce CO₂ emissions by reducing petroleum-derived plastics and lowering transportation costs.



About Denka Company Limited

In 1915, Denka was founded in Tokyo, Japan as a manufacturer of calcium carbide and fertilizers. Over the course of our century-strong history, we have evolved into a corporate group that operates globally and handles a wide variety of operations, ranging from synthetic rubber and other acetylene derivatives to petrochemicals, electronic materials and polymer processing products to pharmaceuticals. With 42 consolidated subsidiaries worldwide, the Company's consolidated net sales for the fiscal year ended March 31, 2018 totaled ¥395.6 billion.

Looking ahead, Denka will continue to take on the challenge of expanding the possibilities of chemistry and, to this end, will relentlessly strive to enhance its manufacturing technologies.

For more information, visit <http://www.denka.co.jp/eng/index.html>.

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