

# News Release

## CoHaMa and BASF jointly develop hand straps made with BASF's Elastollan TPU for trains

- **BASF's low smoke, non-halogen-based flame-retardant TPU complies with EN45545-2 certification for public transportation**
- **Elastollan 1185A 10 HFFR possesses high fatigue and tensile strength while providing excellent haptics and abrasion resistance**

Seoul, Korea – January 14, 2021 – CoHaMa Co., Ltd. (CoHaMa) has introduced hand straps made with BASF's Elastollan<sup>®</sup> thermoplastic polyurethane (TPU). Compared with Polyvinyl chloride (PVC), Elastollan 1185A 10 HFFR meets industry standards for flame retardancy as per UL94V0 requirements as well as low smoke density and low toxicity, in accordance with EN standard EN45545-2.

"This is a great success for BASF and CoHaMa for TPU in rail transportation. Flame retardancy, low smoke density, and excellent durability are key considerations when we design environmentally friendly and safe products for passengers," said Peter Jang, General Manager, CoHaMa Group.

Additionally, owing to its flexibility and resistance to long term stress, the innovative material solution can be widely used for other rail transportation and aerospace applications.

"Our state-of-art TPU technology has already been widely used in the wire and cable application for automotive and personal electronic devices. With the successful launch of the hand strap application, we have again demonstrated our ability to be a total solutions provider by offering the best material solution and technical service

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for process and quality management. In turn, we expect this will further strengthen our footprint in the public transportation market,” said Desmond Long, Vice President, Business Management Transportation, Performance Materials Asia Pacific, BASF.

## **About BASF**

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. More than 117,000 employees in the BASF Group work on contributing to the success of our customers in nearly all sectors and almost every country in the world. Our portfolio is organized into six segments: Chemicals, Materials, Industrial Solutions, Surface Technologies, Nutrition & Care and Agricultural Solutions. BASF generated sales of €59 billion in 2019. BASF shares are traded on the stock exchange in Frankfurt (BAS) and as American Depositary Receipts (BASFY) in the U.S. Further information at [www.basf.com](http://www.basf.com).

## **About BASF's Performance Materials division**

BASF's Performance Materials division encompasses the entire materials' know-how of BASF regarding innovative, customized plastics under one roof. Globally active in four major industry sectors – transportation, construction, industrial applications and consumer goods – the division has a strong portfolio of products and services combined with deep understanding of application-oriented system solutions. Key drivers of profitability and growth are our close collaboration with customers and a clear focus on solutions. Strong capabilities in R&D provide the basis to develop innovative products and applications. In 2019, the Performance Materials division achieved global sales of €6.06 bn. More information online: [www.plastics.basf.com](http://www.plastics.basf.com).